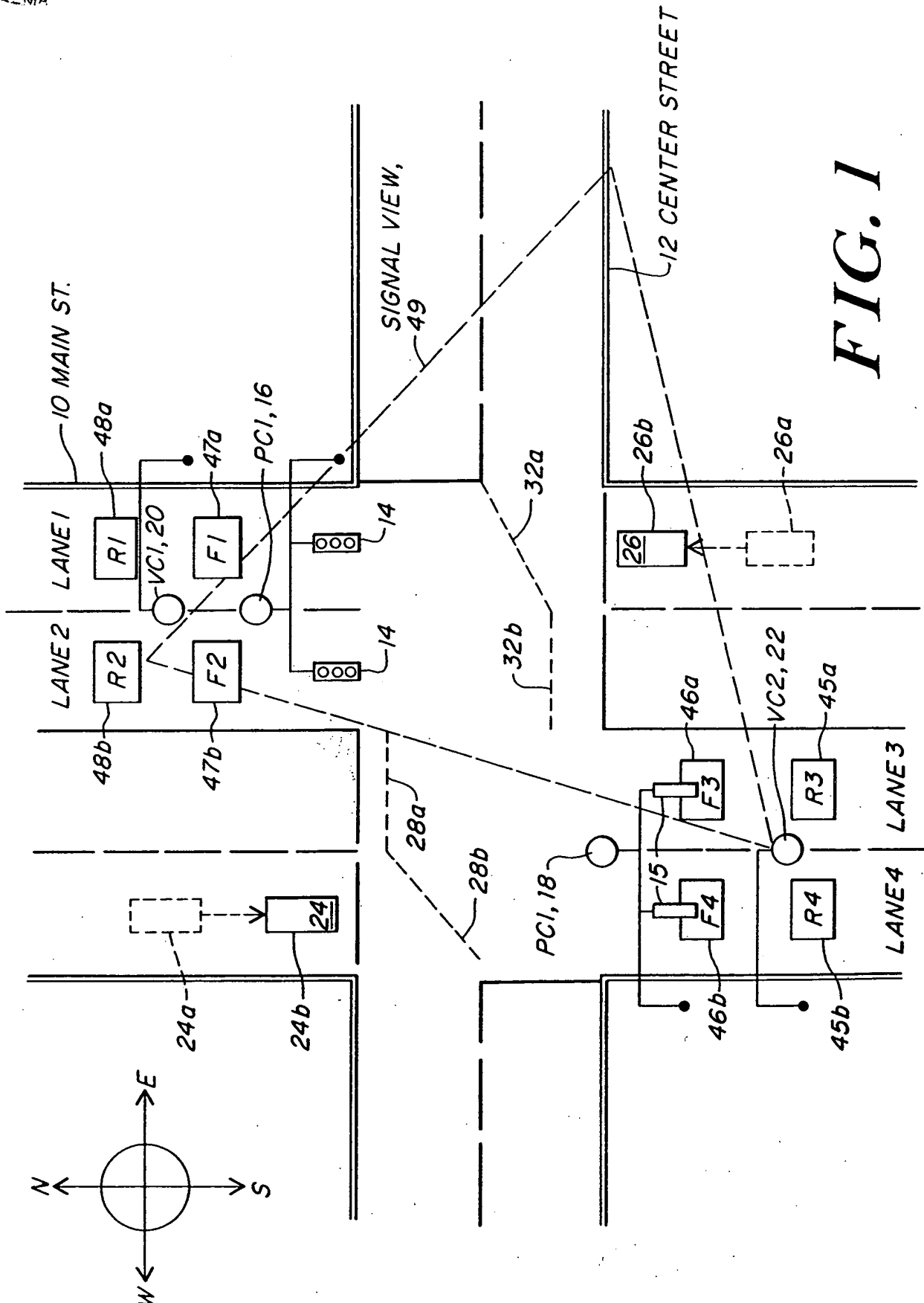
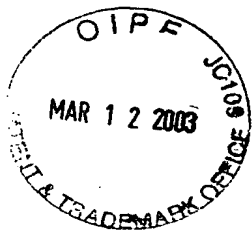




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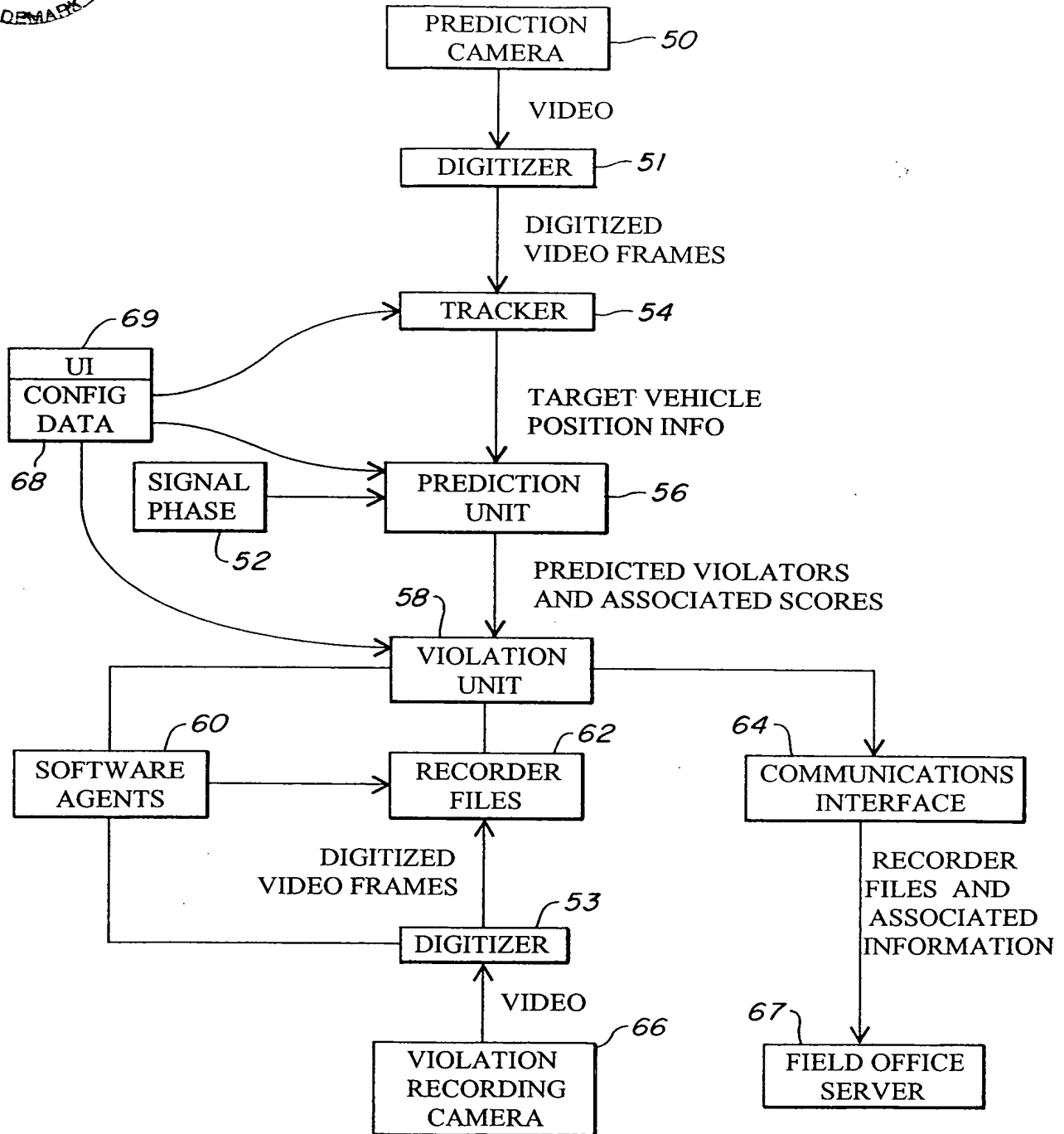
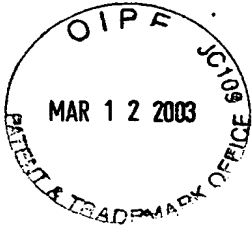


FIG. 2



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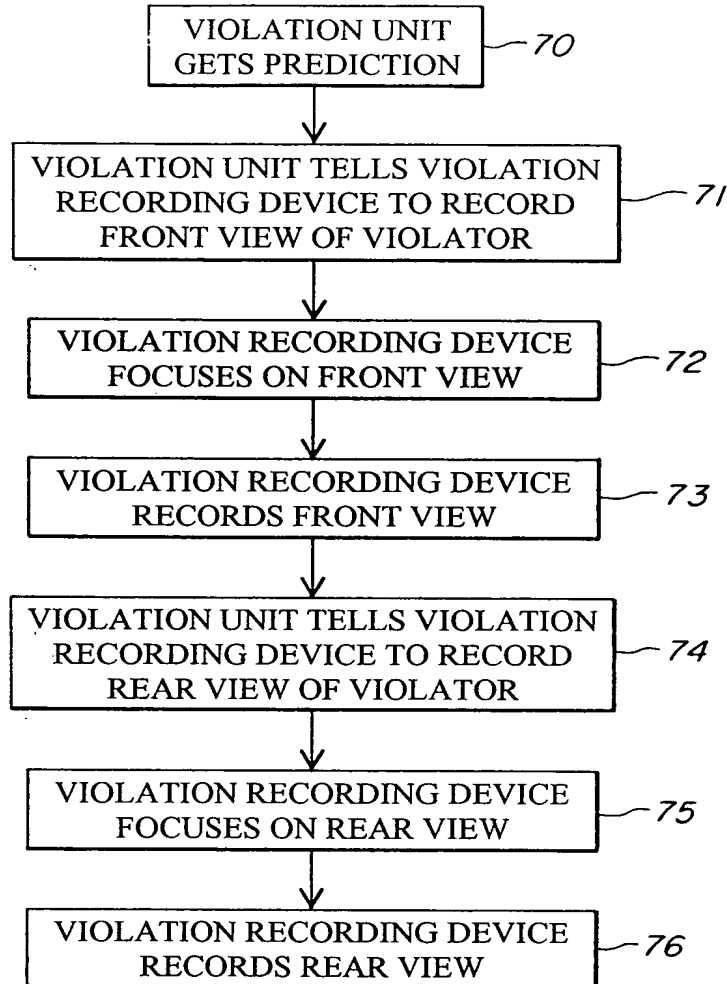


FIG. 3



Title: TRAFFIC LIGHT VIOLATION
PREDICTION AND RECORDING SYSTEM
Inventors: Michael T. Glier, et al.
Appl. No.: 09/444,084
Docket No.: NEST-007XX

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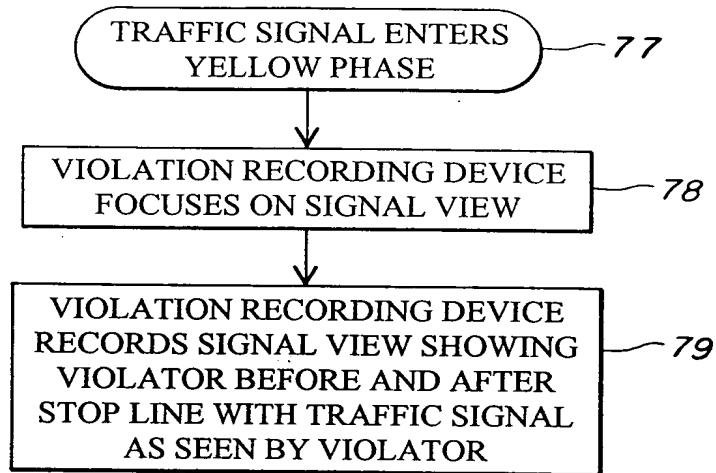


FIG. 4



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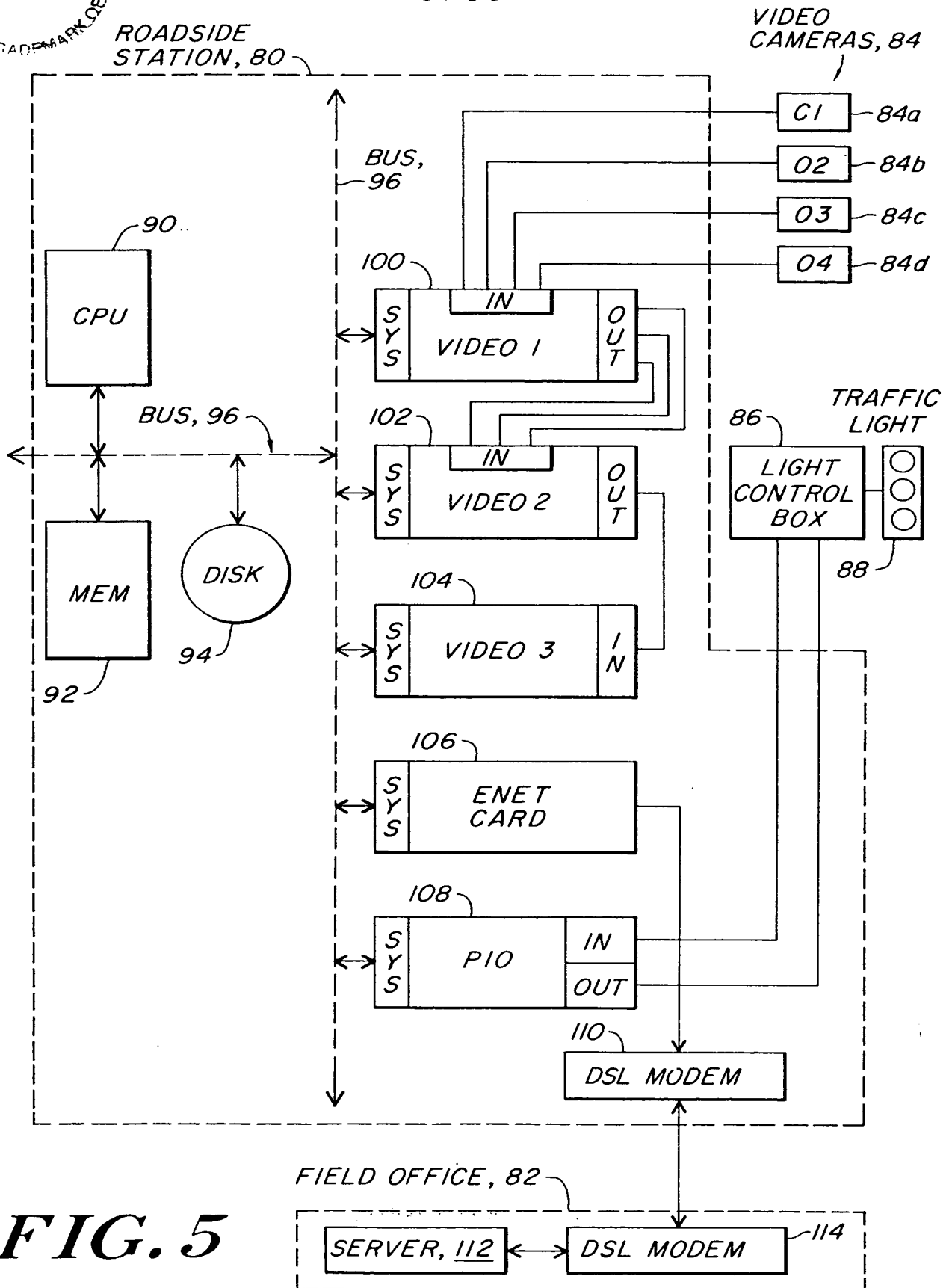


FIG. 5



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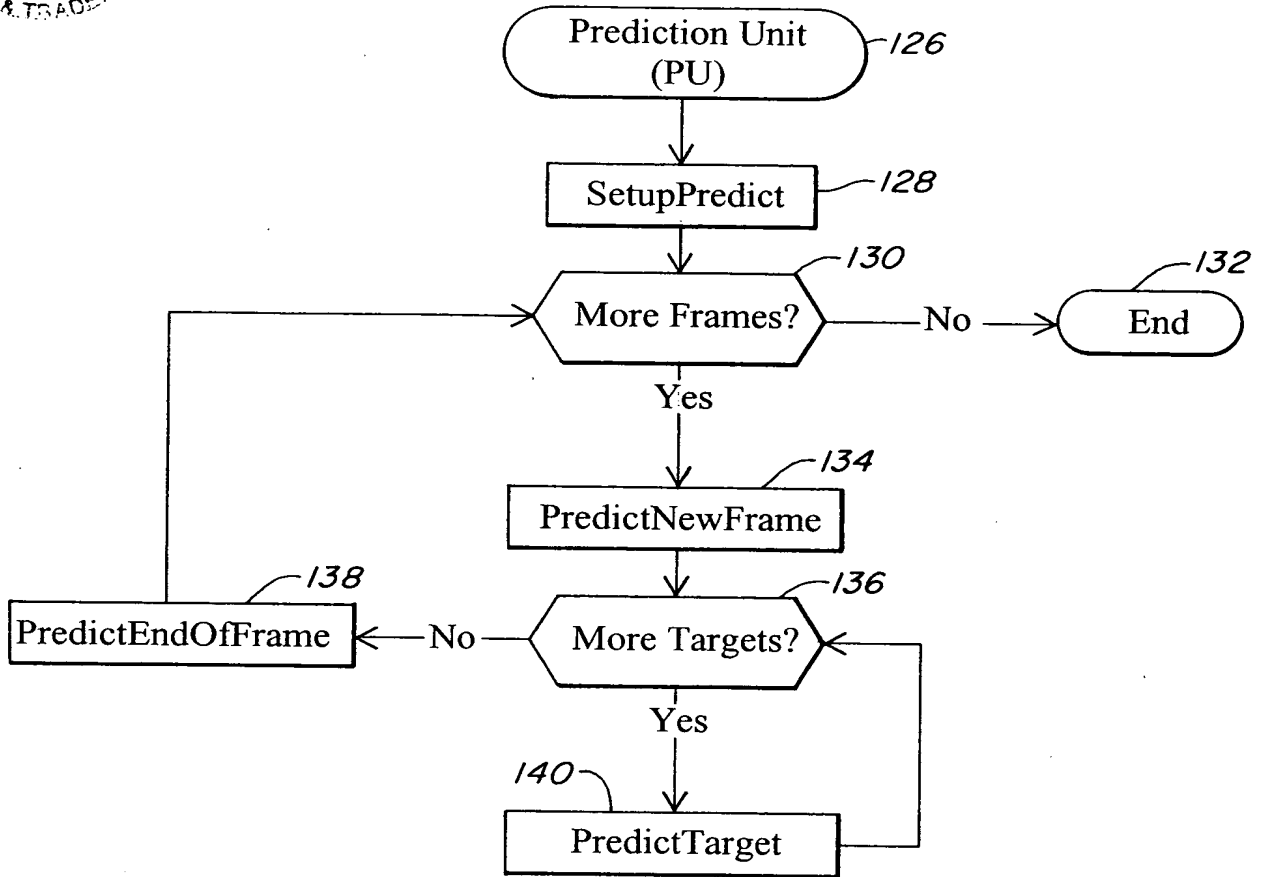
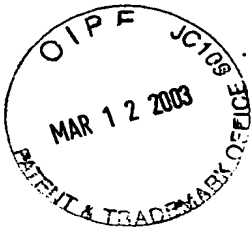


FIG. 6



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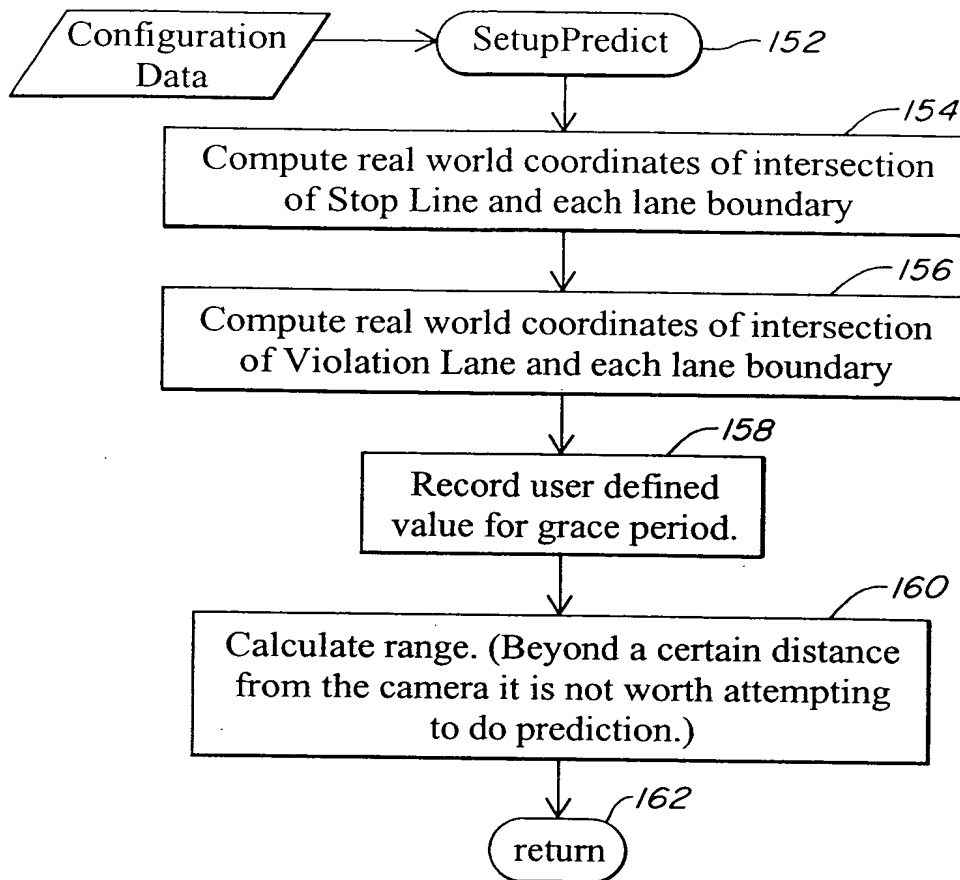


FIG. 7



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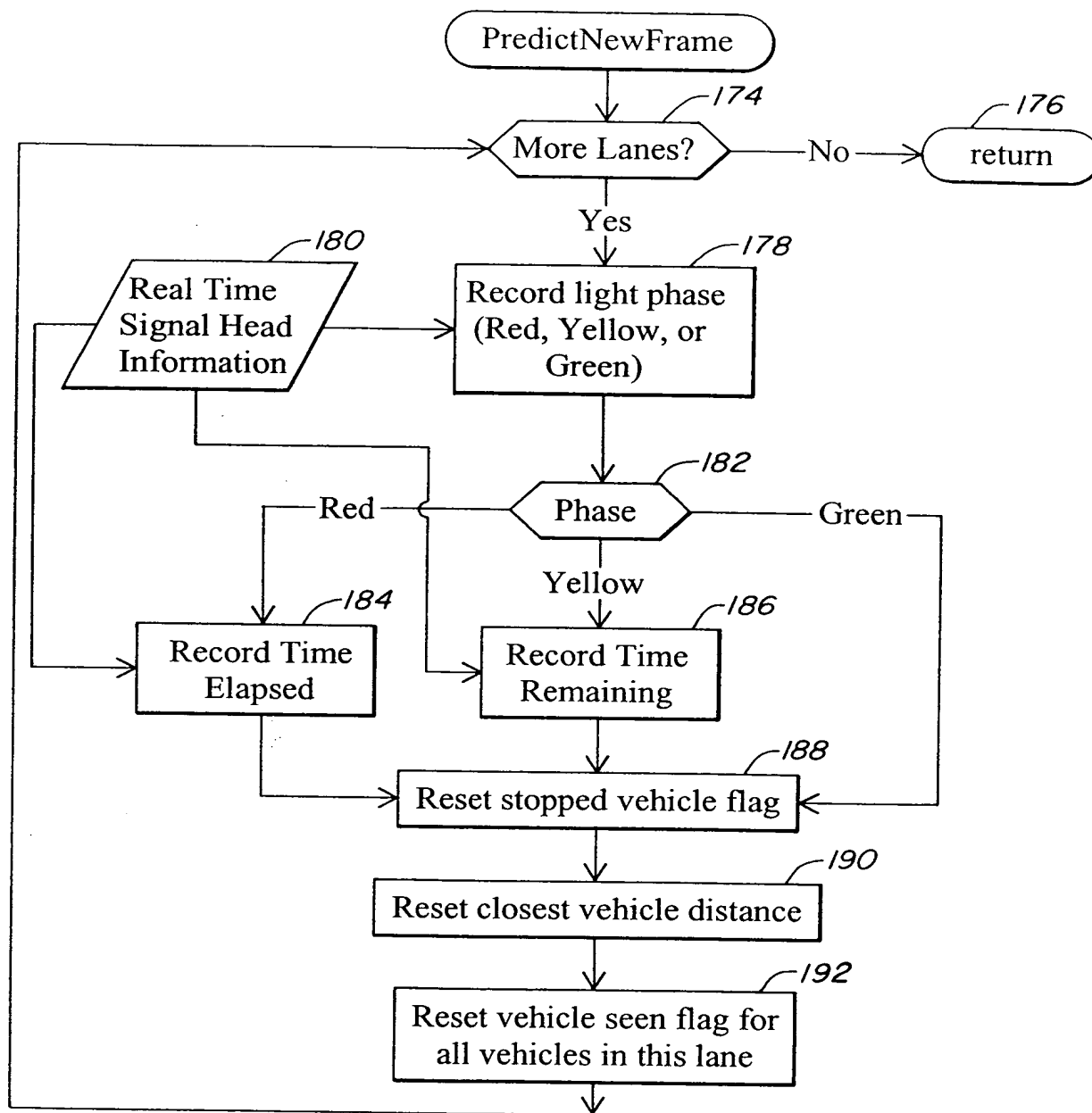


FIG. 8



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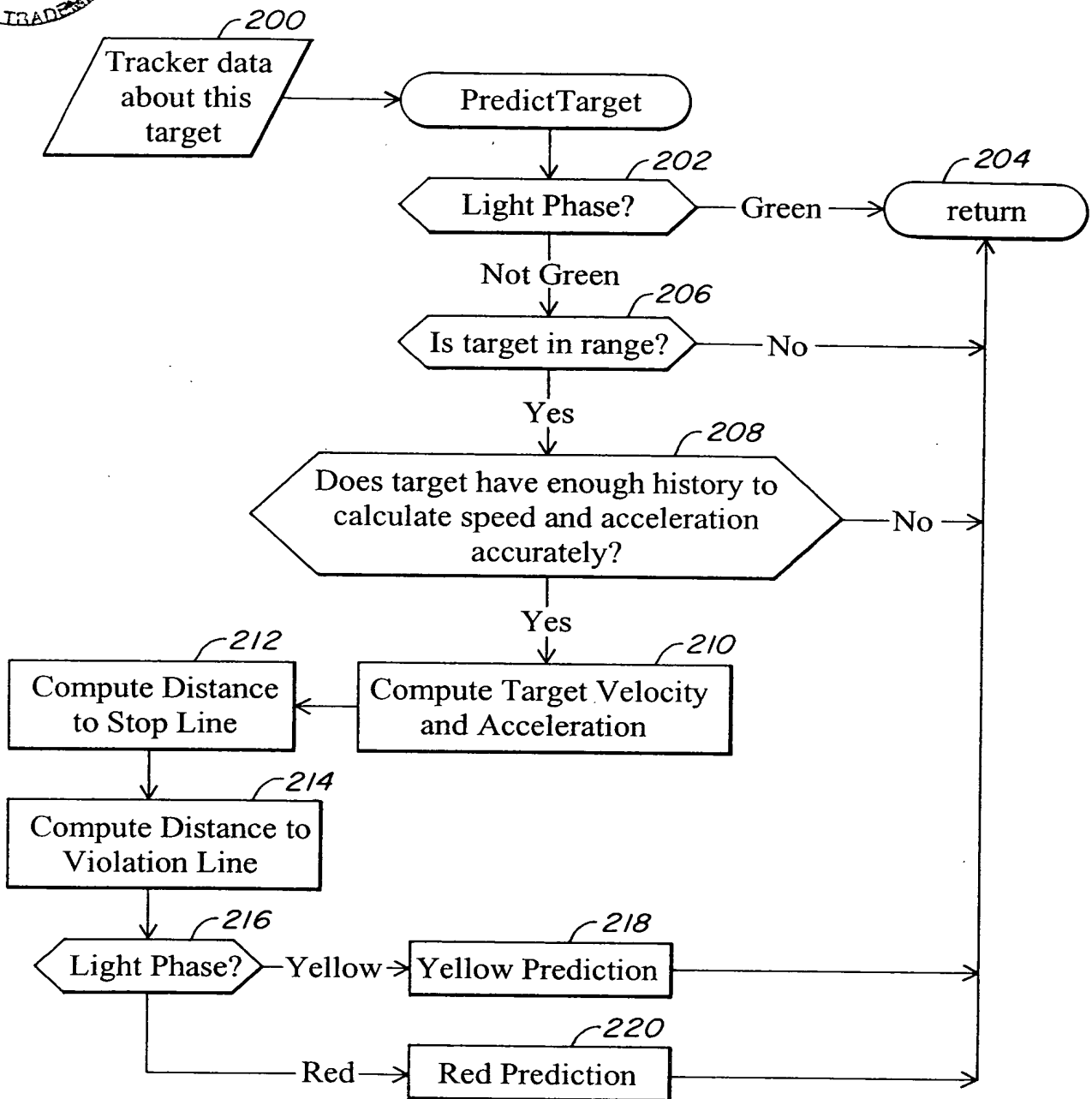


FIG. 9



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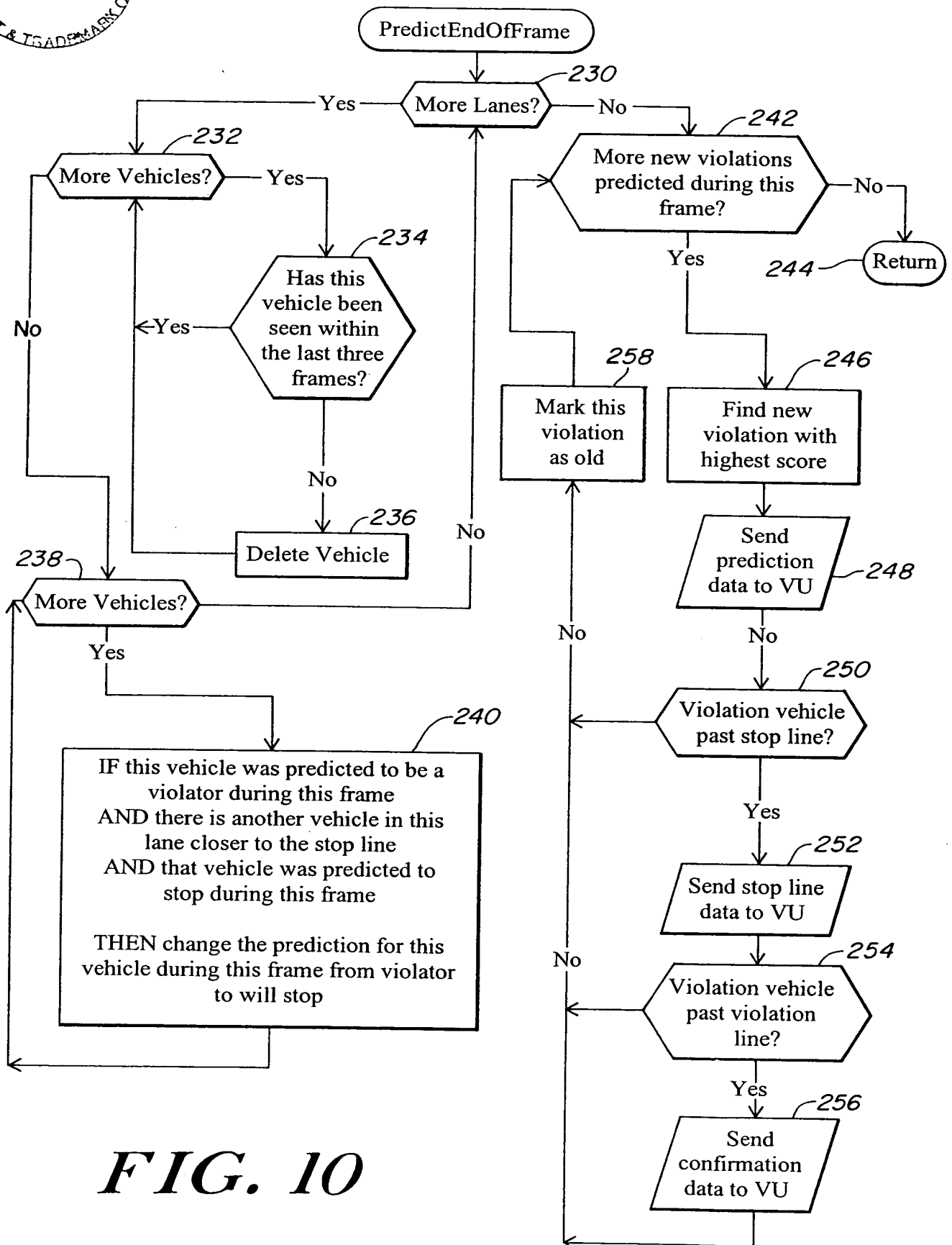


FIG. 10



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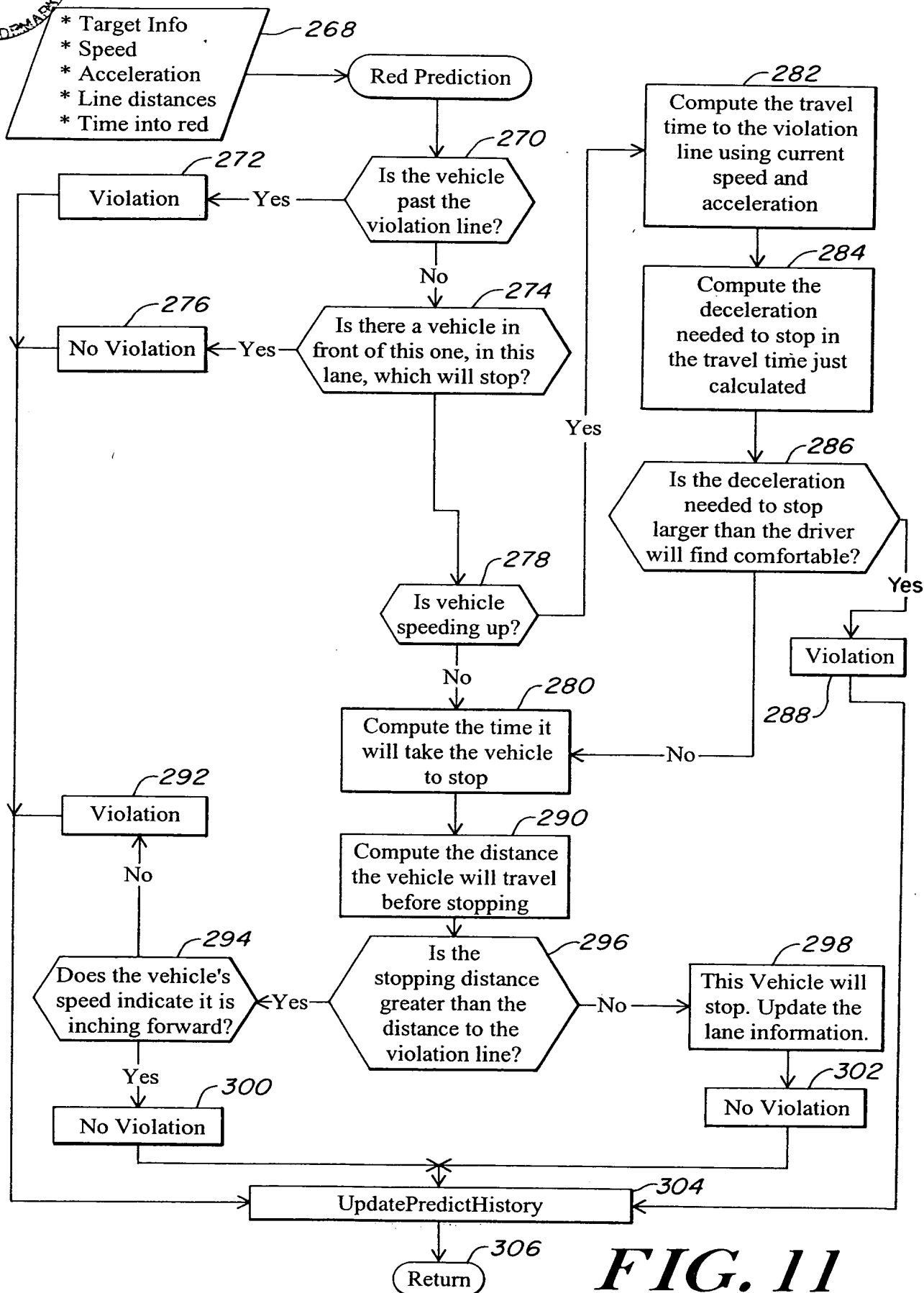
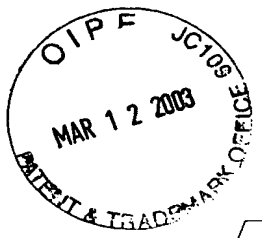


FIG. 11



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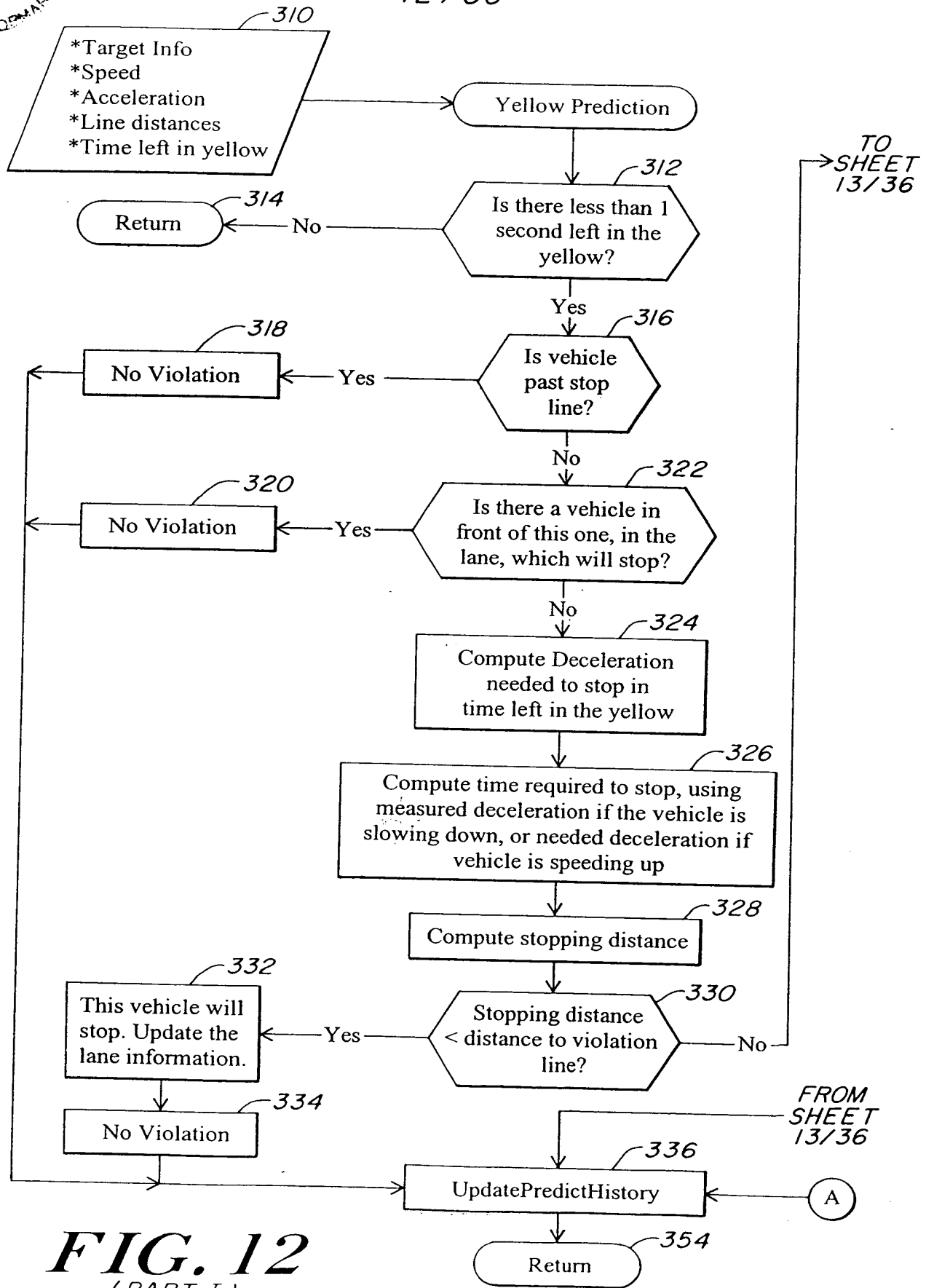


FIG. 12
(PART I)



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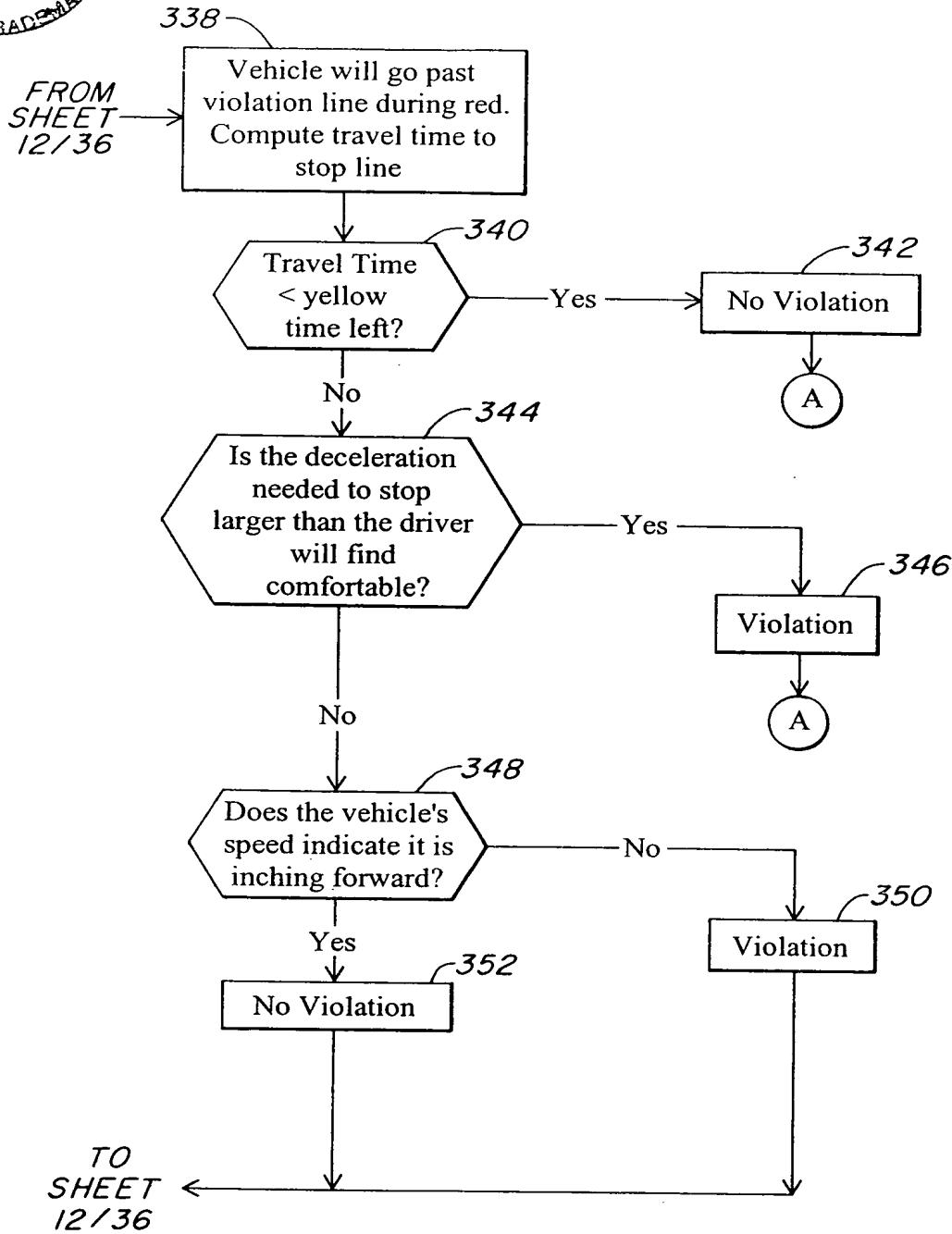
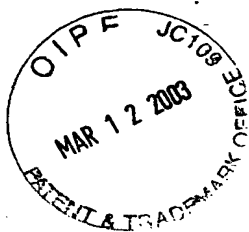


FIG. 12
(PART II)



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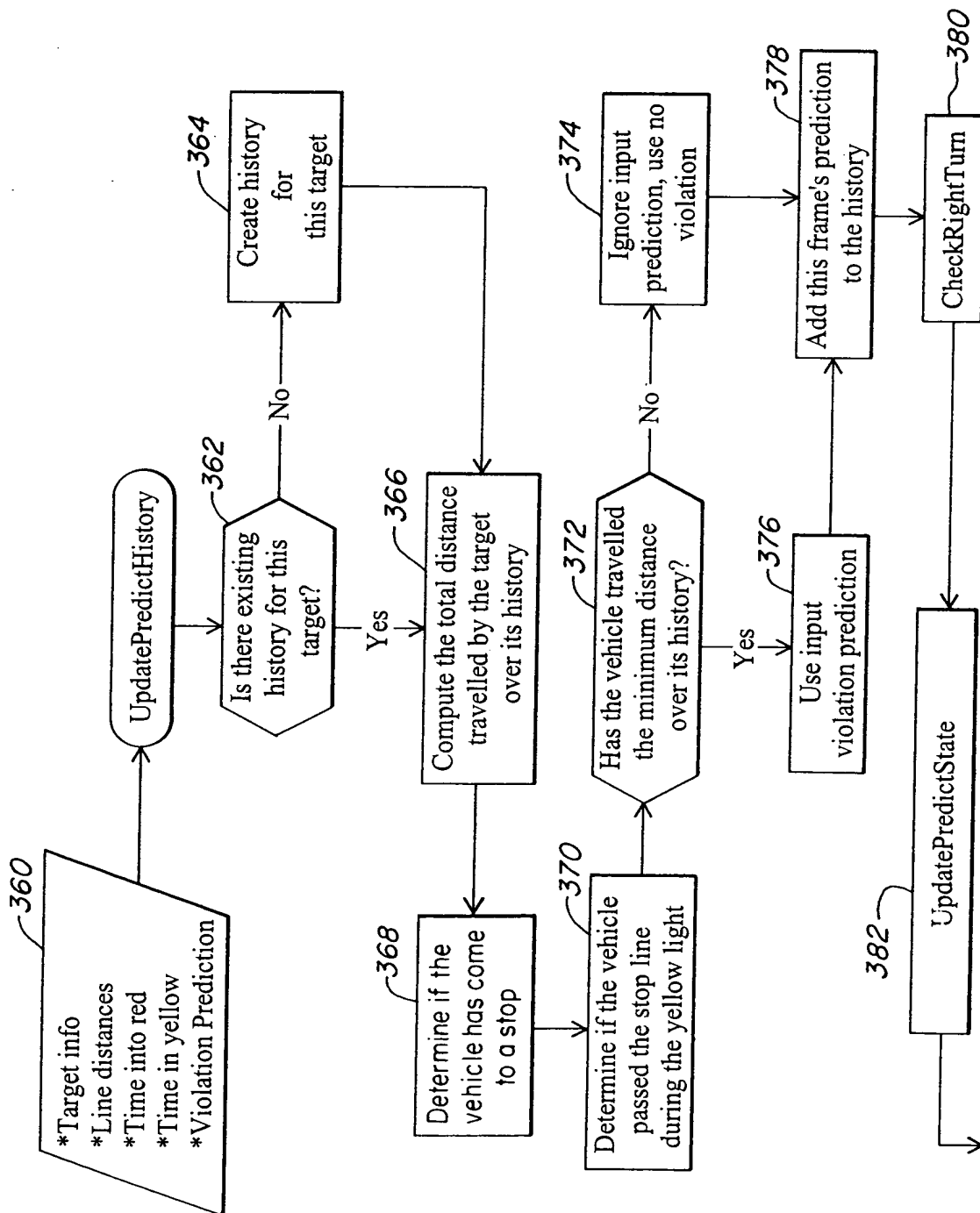


FIG. 13
(PART I)

TO
SHEET
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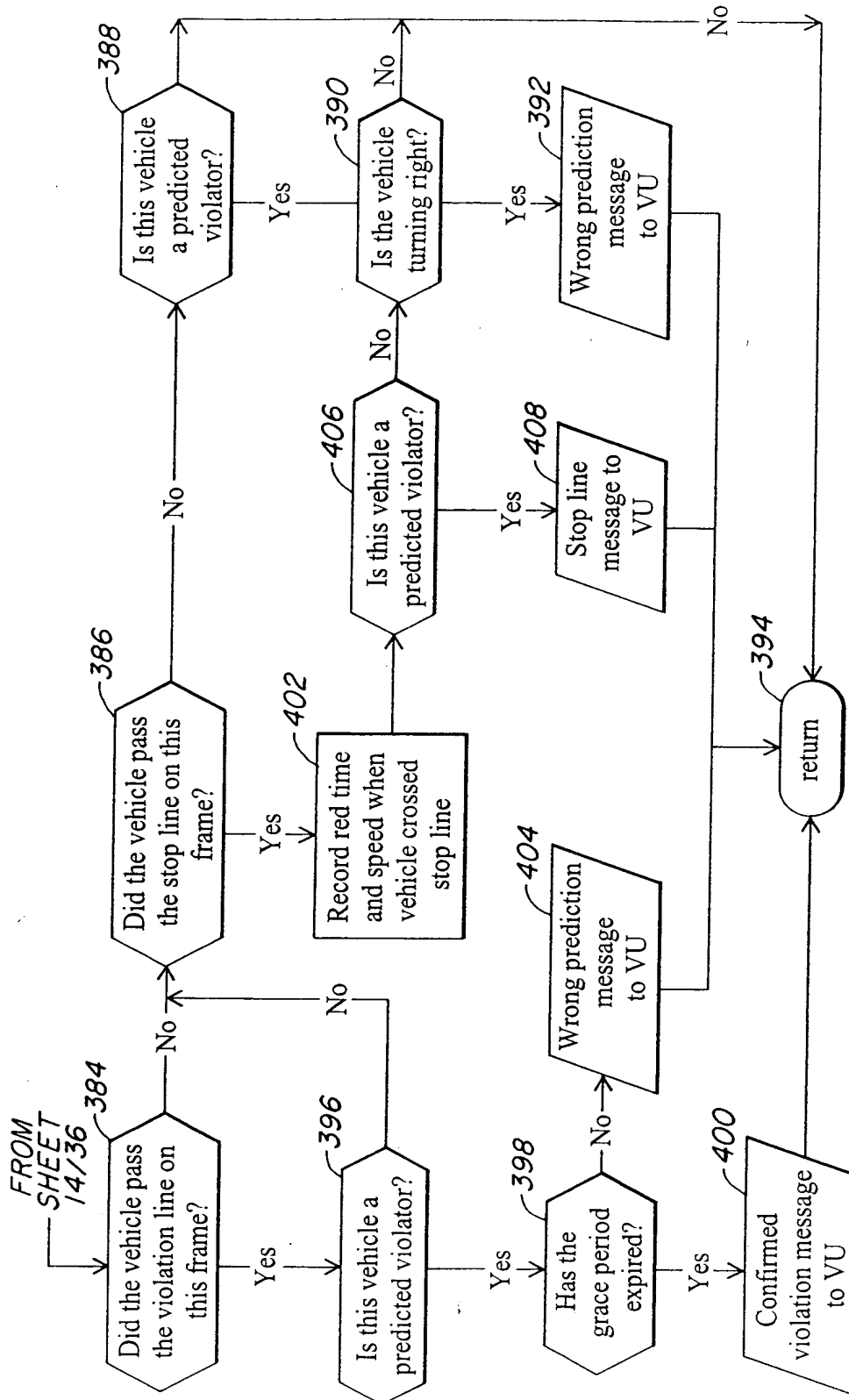
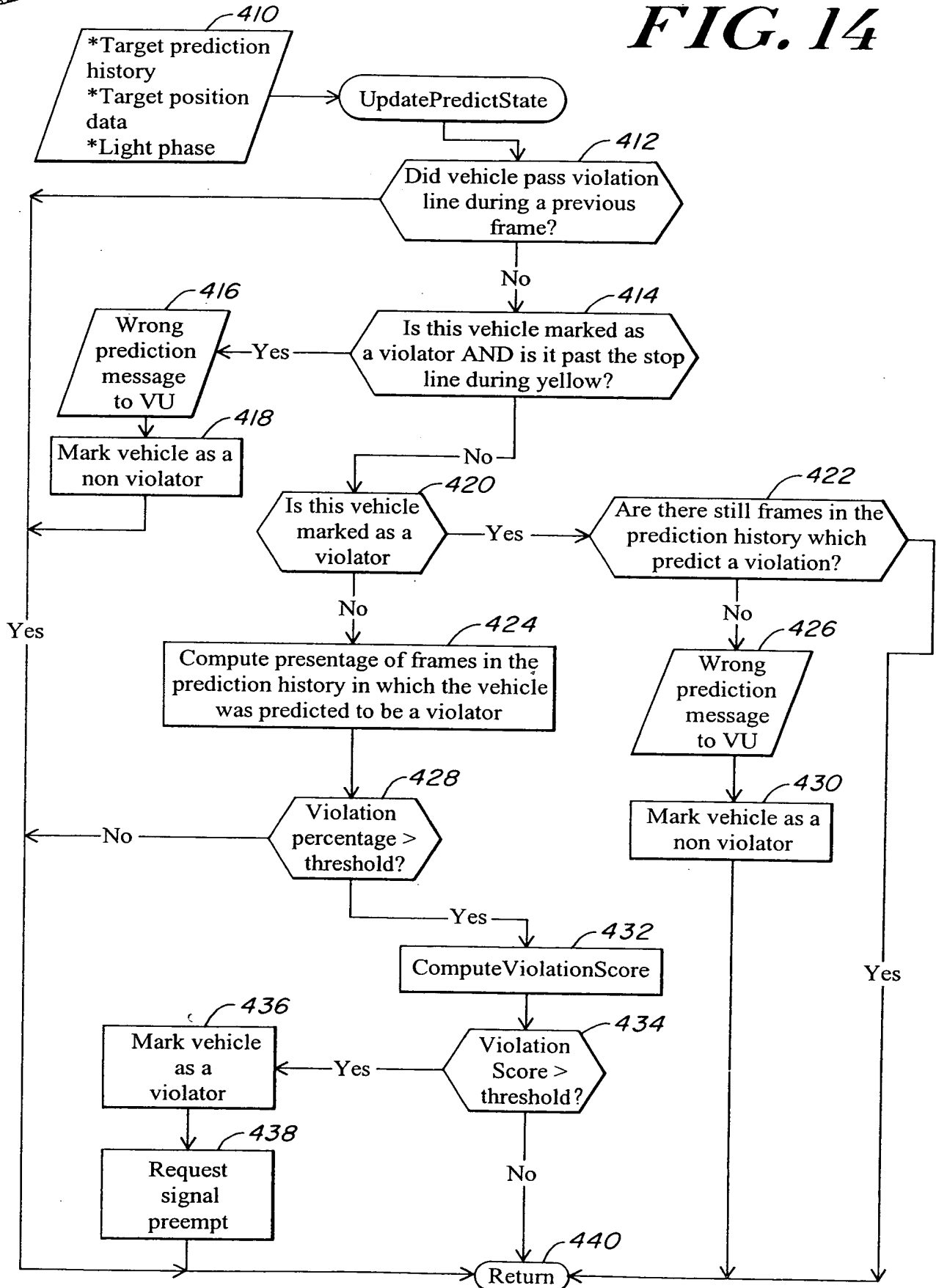


FIG. 13
(PART II)



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FIG. 14





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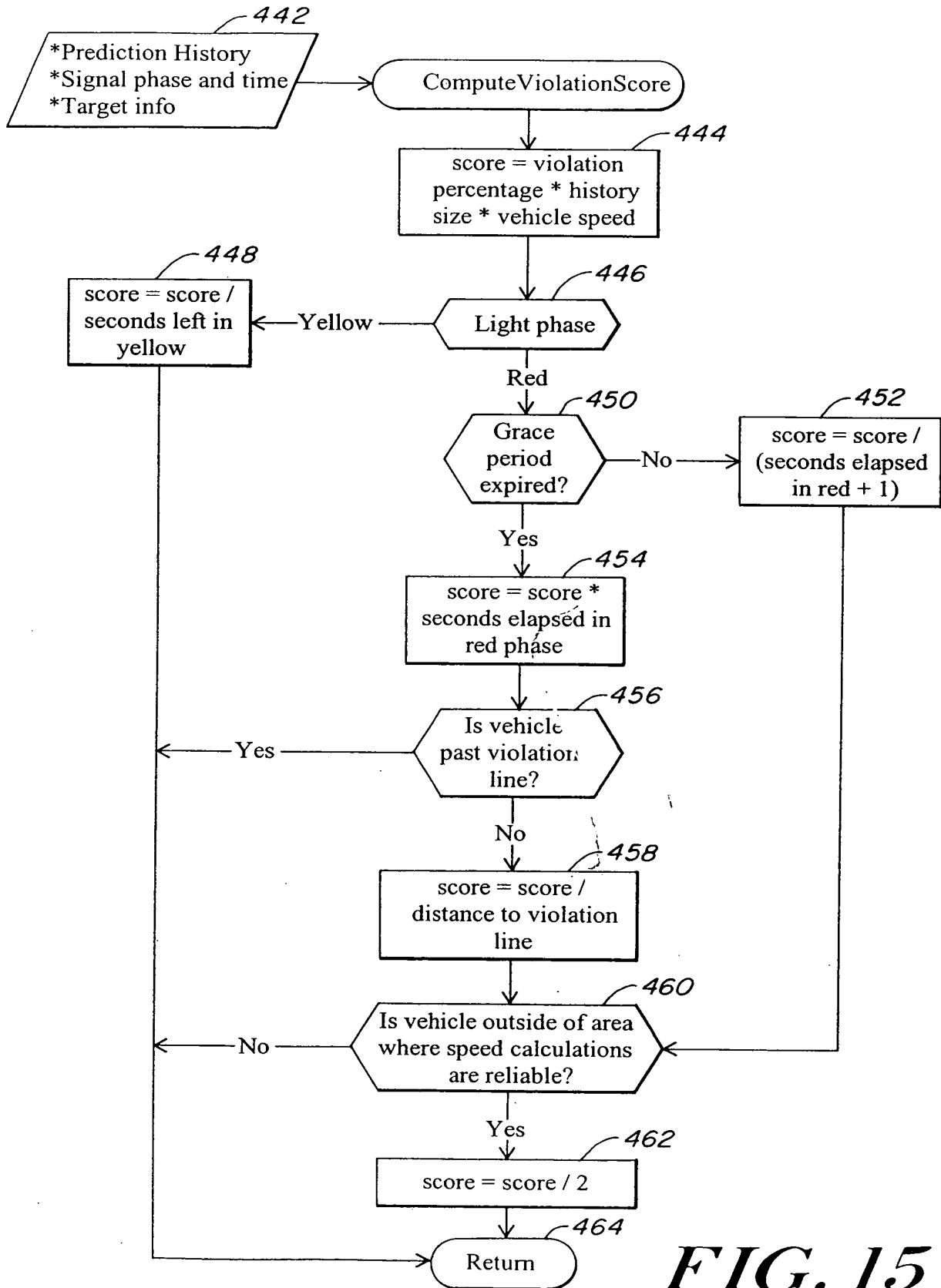


FIG. 15



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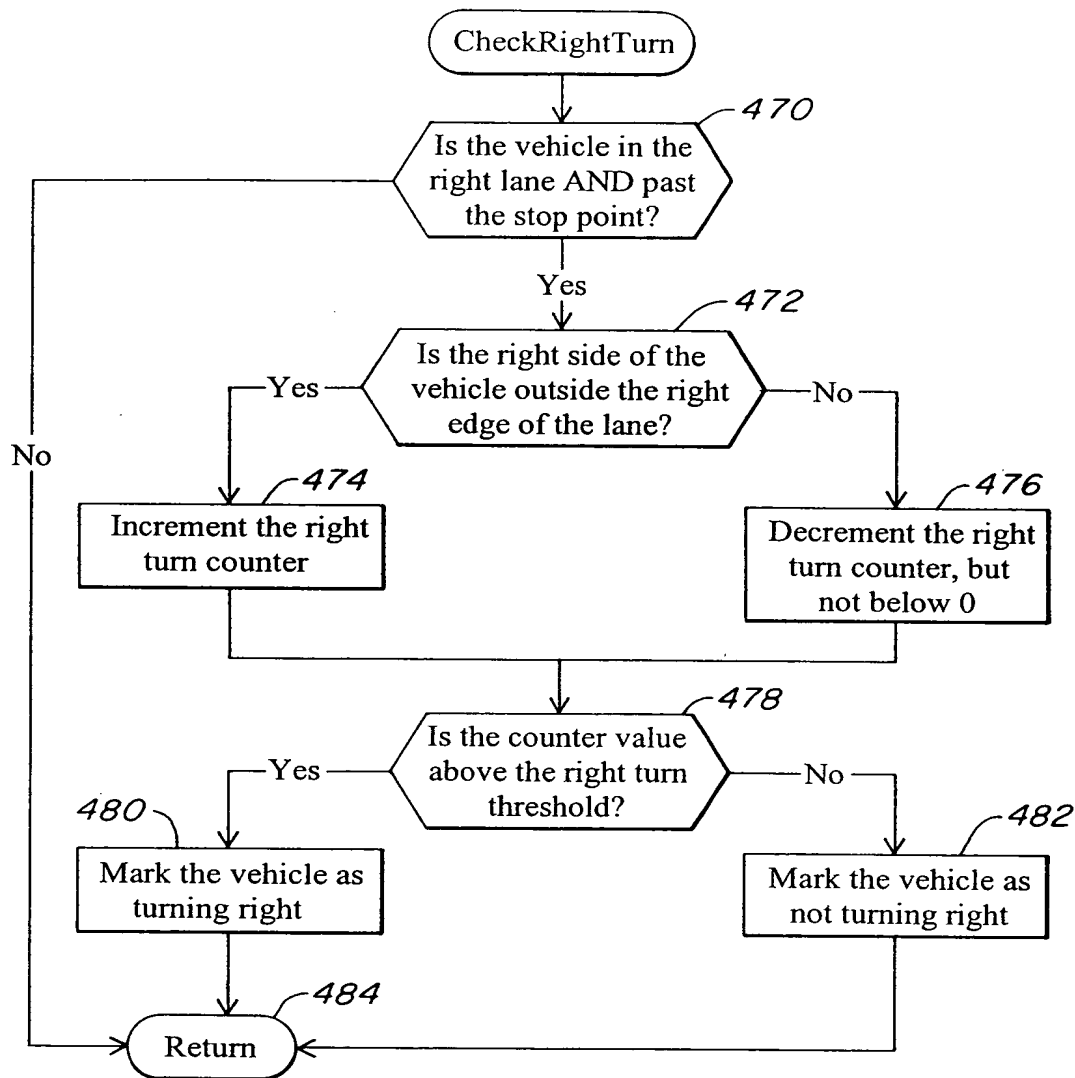


FIG. 16



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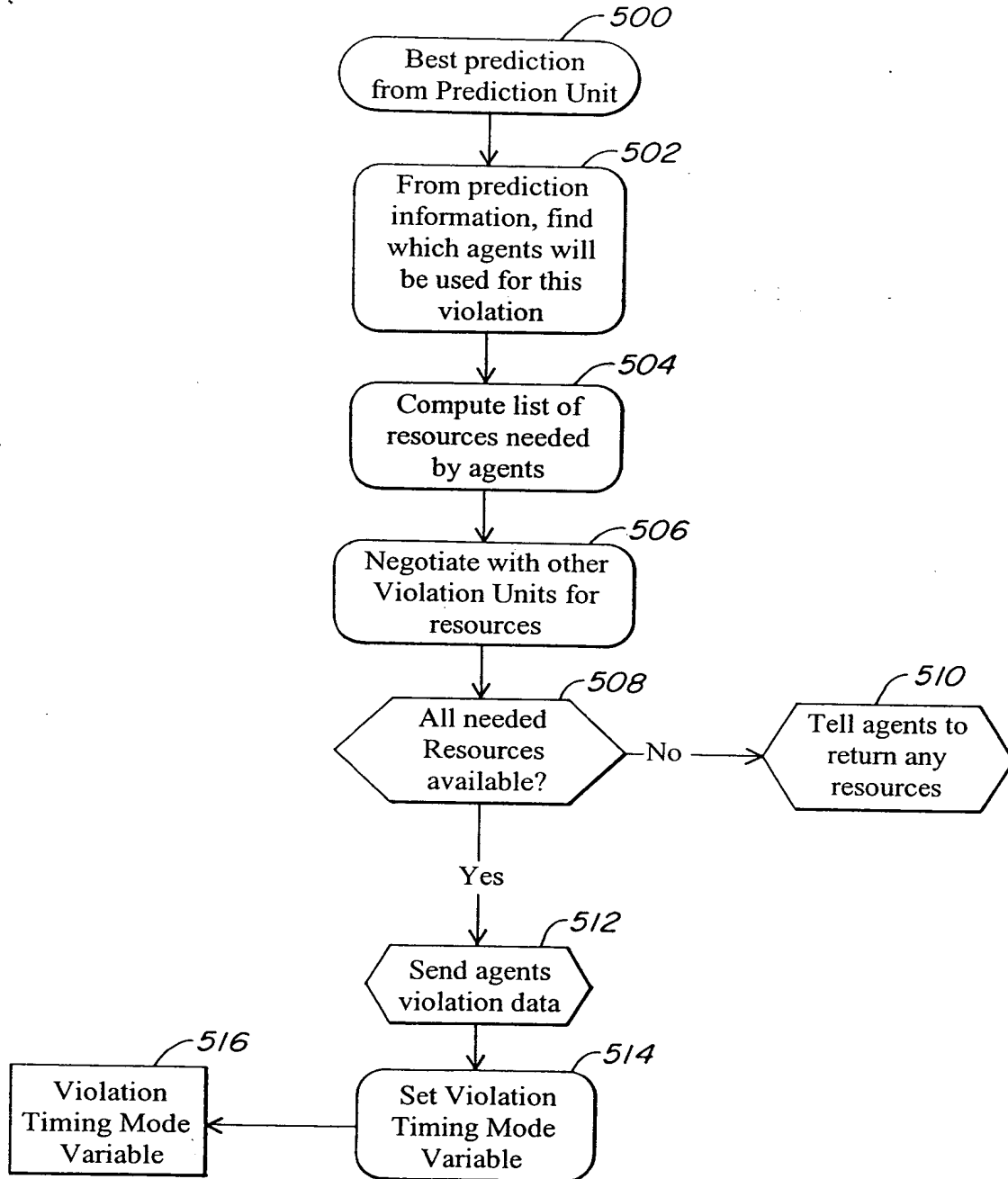
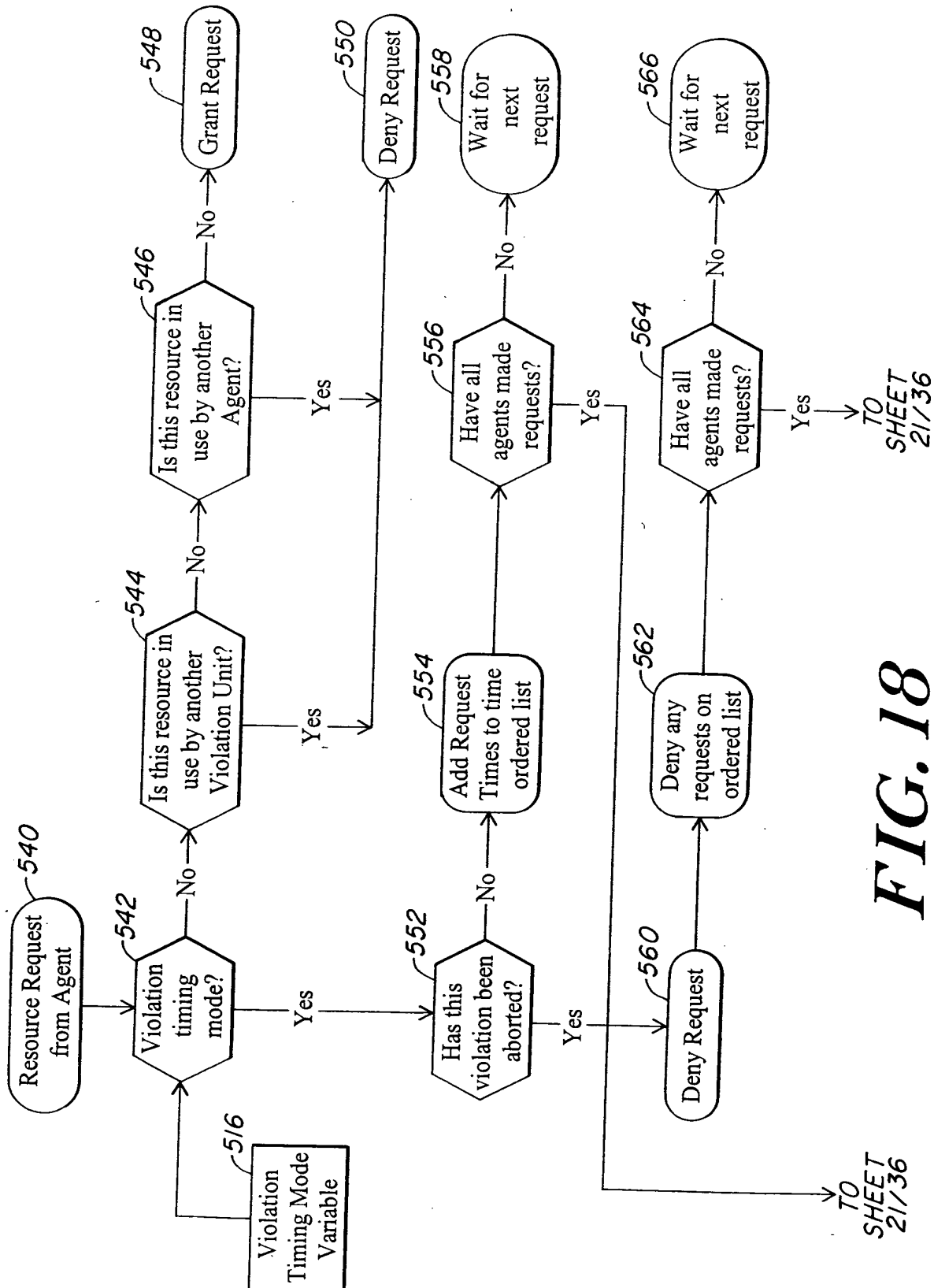


FIG. 17



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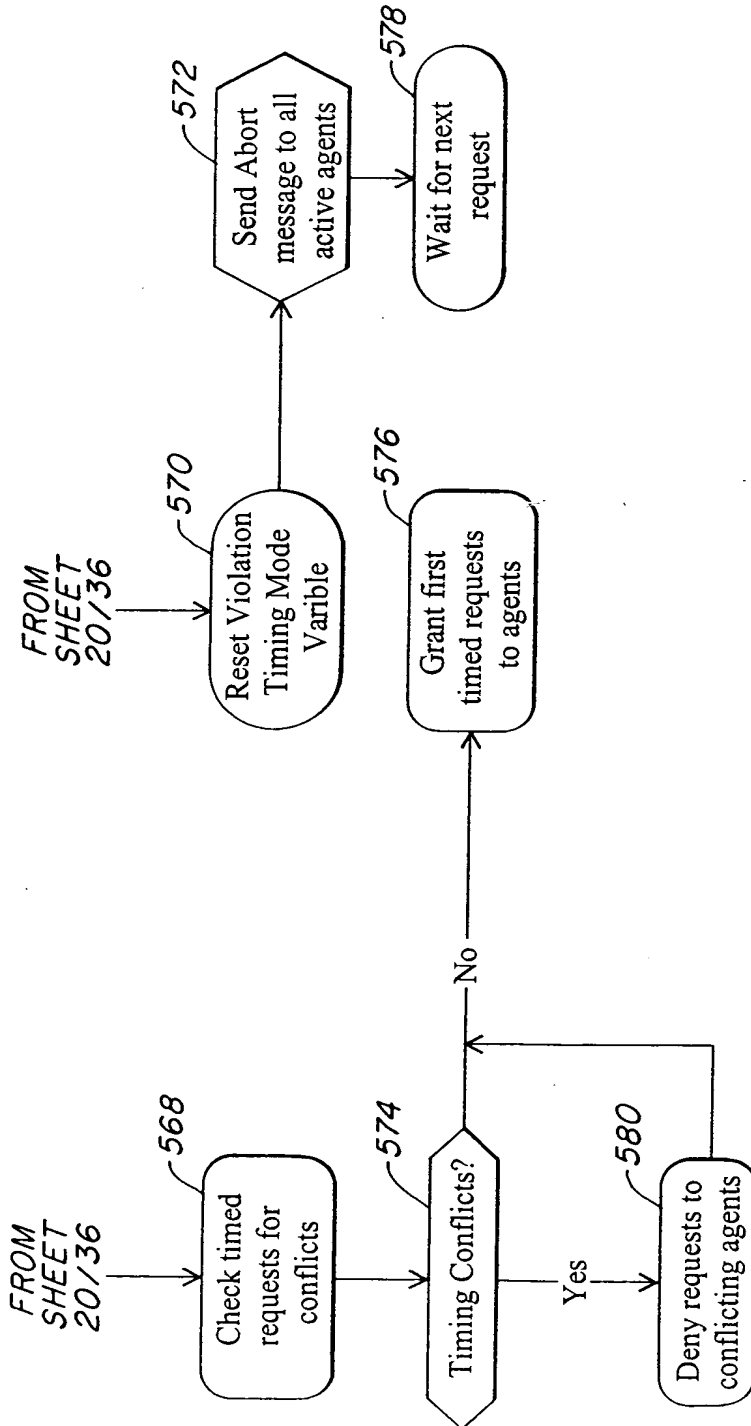


FIG. 18
(PART II)



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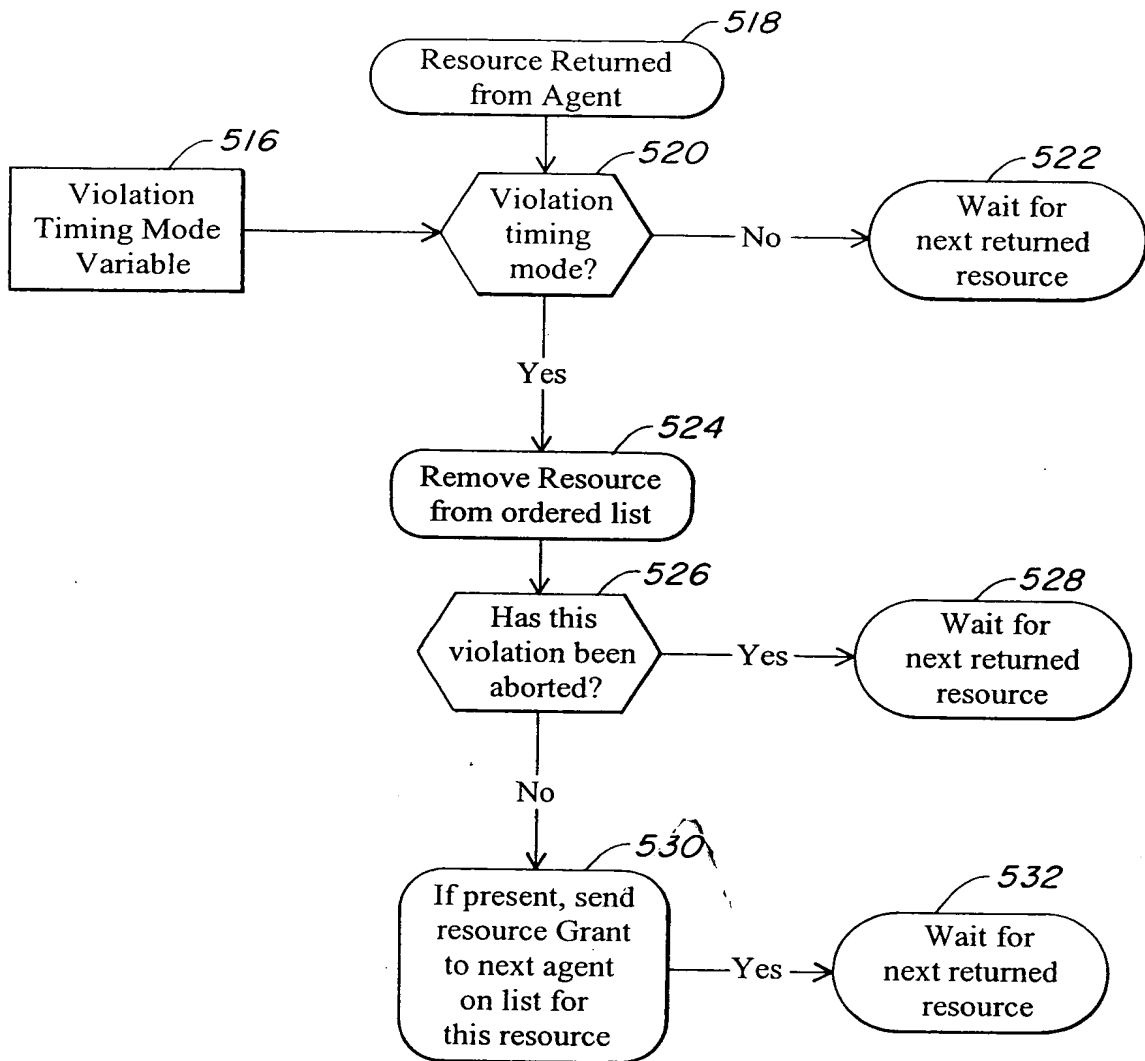


FIG. 19



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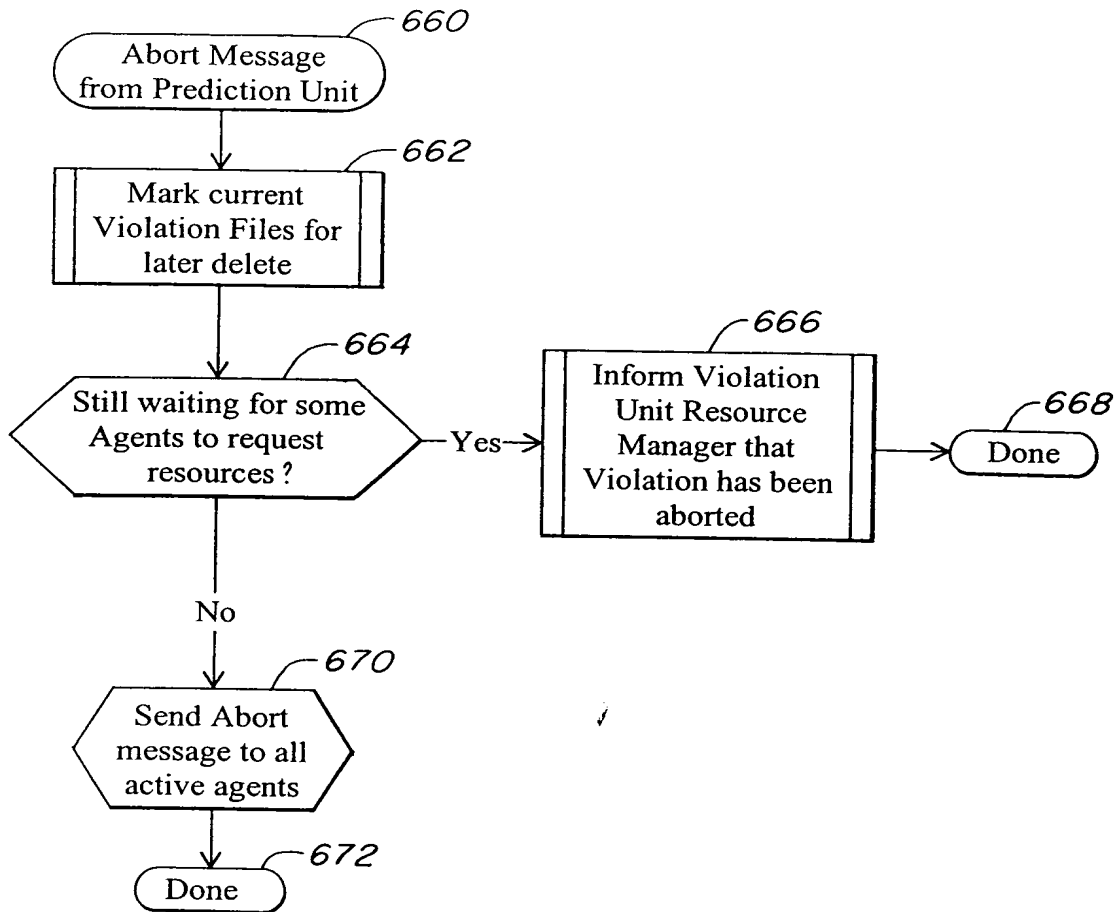


FIG. 20



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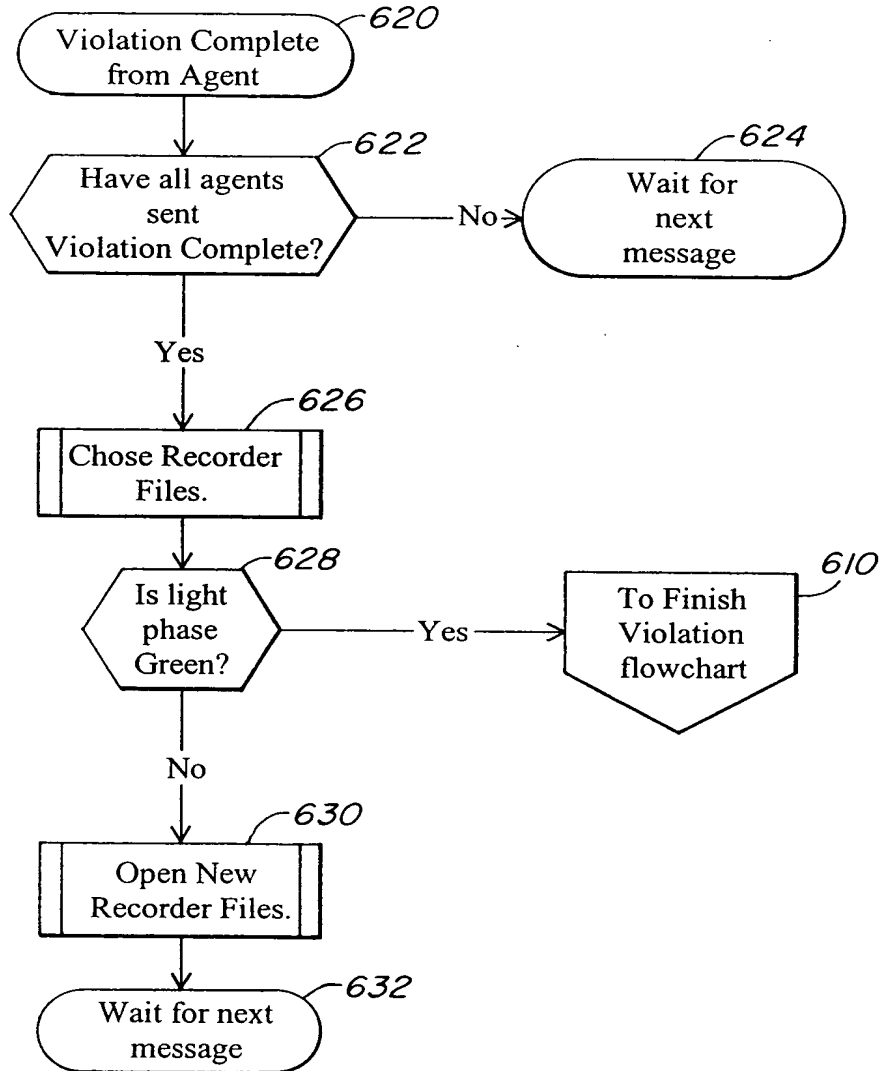


FIG. 22



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FIG. 21

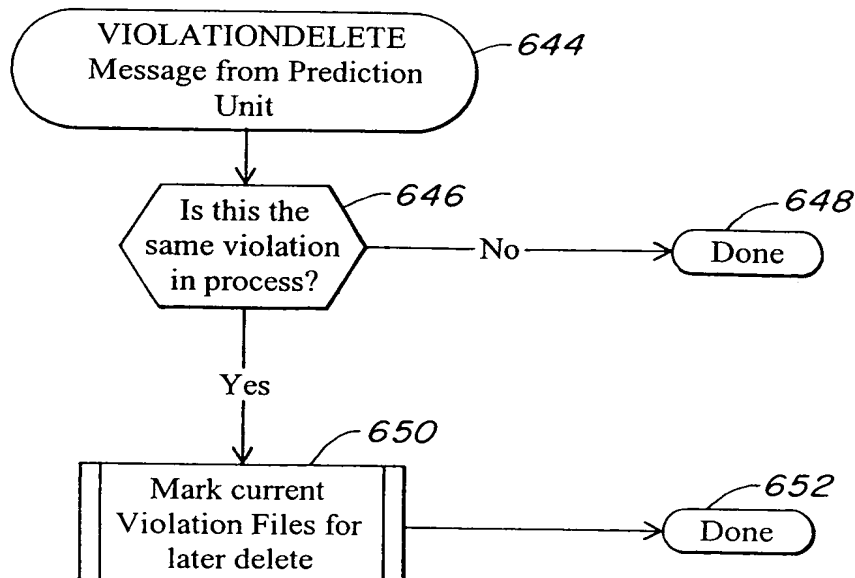
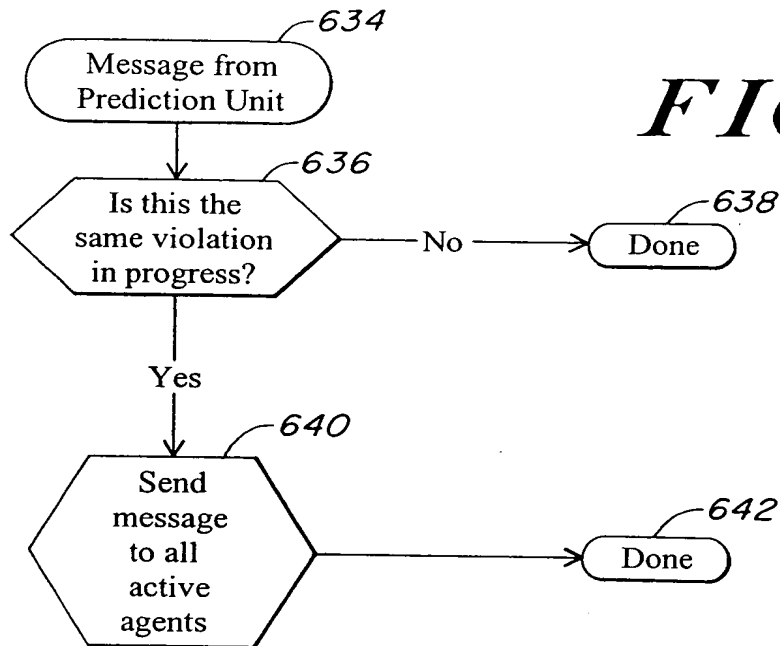


FIG. 23

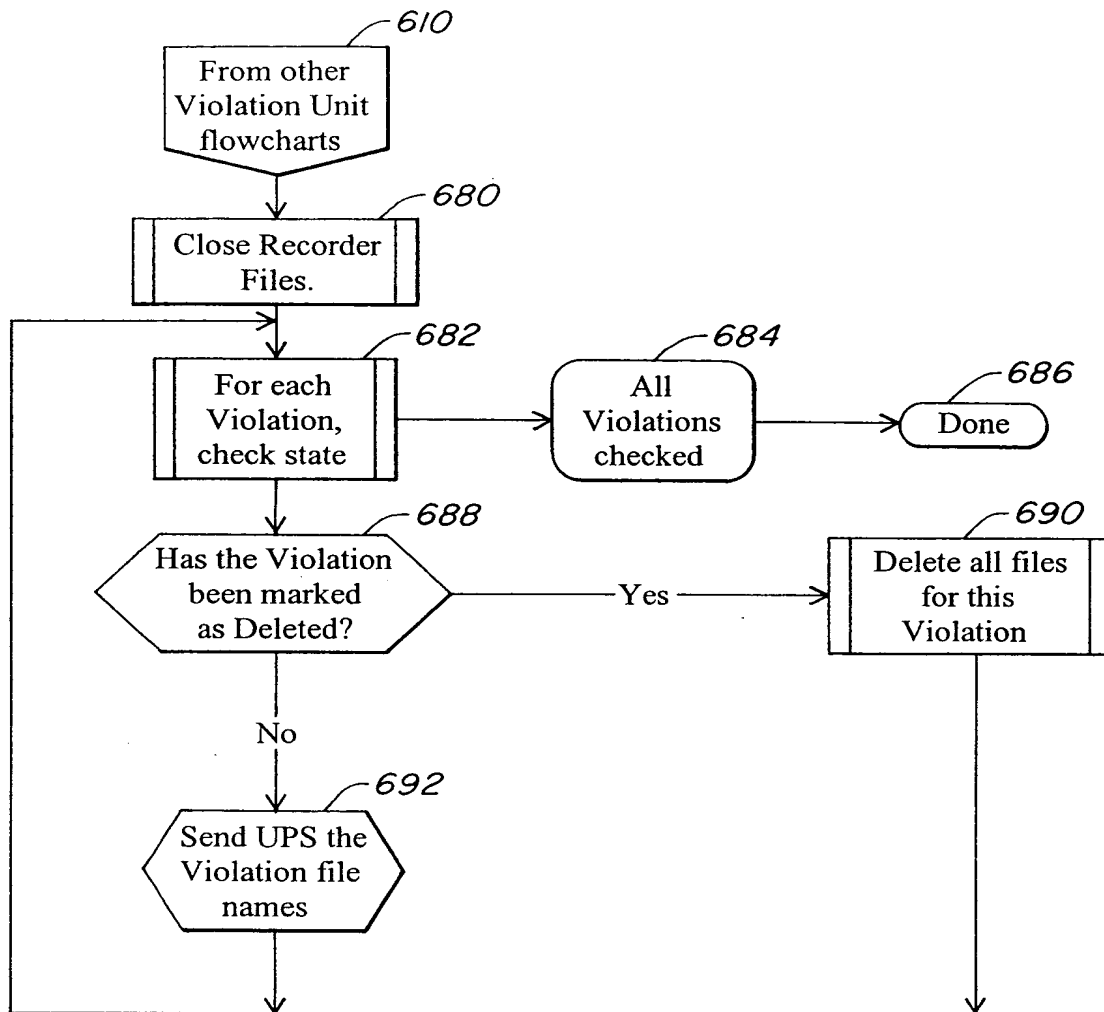


FIG. 24



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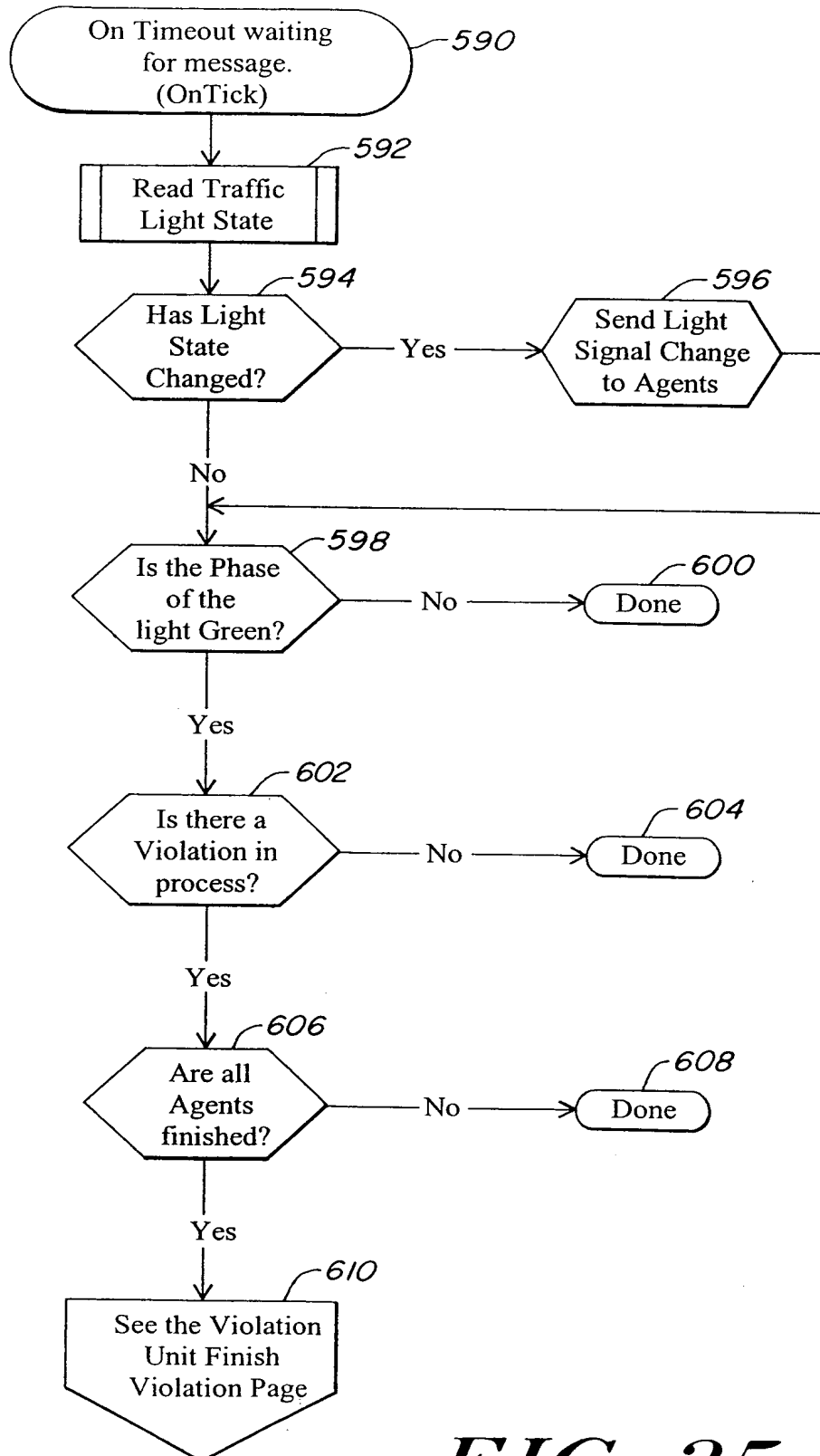


FIG. 25



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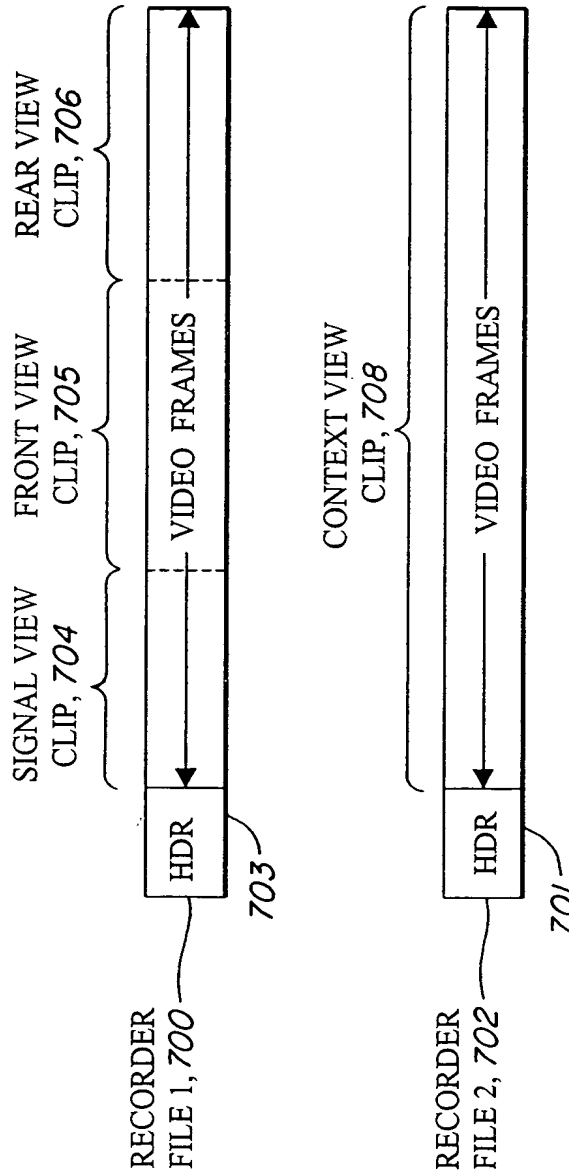
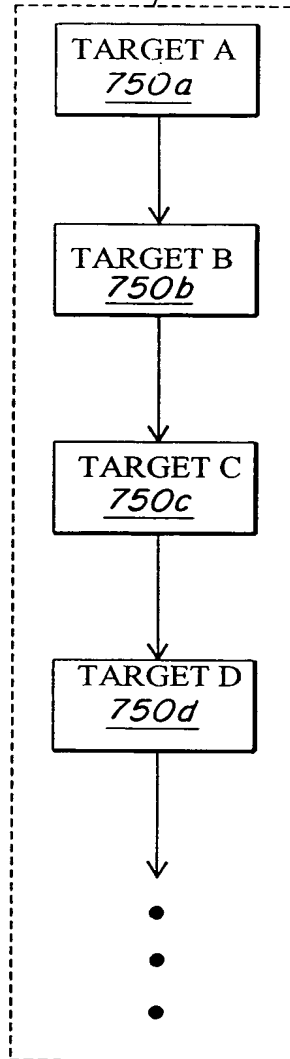


FIG. 26



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LANE 1 TARGETS, 750



LANE 2 TARGETS, 752

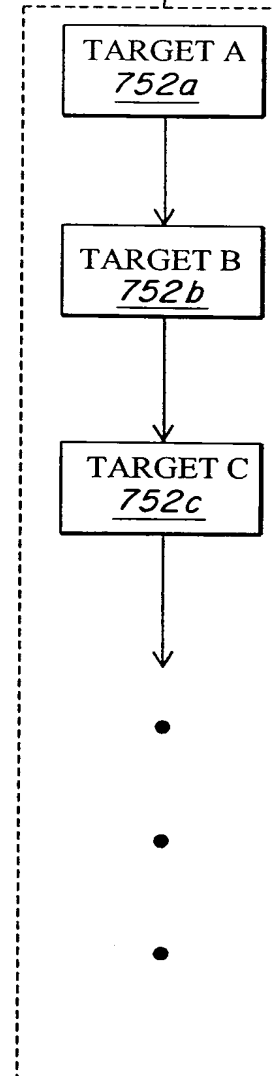
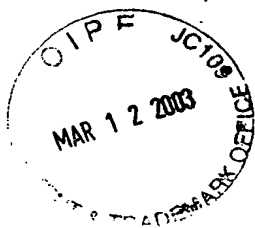


FIG. 27

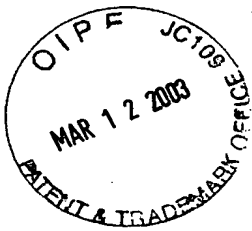


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TARGET VEHICLE PREDICTION HISTORY

NEXT	760
TARGET ID	761
CAMERA	762
LANE	763
PAST PREDICTIONS	764
PAST STOP LINE ON YELLOW	765
PREDICTION STATE	766
FRAMES SINCE SEEN	767
SEEN THIS FRAME	768
PAST STOP LINE	769
PAST VIOLATION LINE	770
CAME TO STOP	771
RIGHT TURN COUNT	772
TOLD VIOLATION UNIT	773
REQUESTED PREEMPTION	774
SCORE	775
HIGHEST SCORE	776
TIME ELAPSED IN RED AT STOP LINE	777
DISTANCE TO VIOLATION LINE	778
DISTANCE TRAVELLED	779
VELOCITY AT STOP LINE	780
CURRENT VELOCITY	781
CURRENT ACCELERATION	782
DISTANCE TO STOP LINE	783
FIRST POSITION	784
LAST POSITION	785

FIG. 28



PREDICTION UNIT GLOBAL DATA		800
STOP LINES FOR EACH LANE		801
VIOLATION LINES FOR EACH LANE		802
LIGHT PHASE FOR EACH LANE		803
FIRST RED FRAME FOR EACH LANE		804
TIME LEFT IN YELLOW FOR EACH LANE		805
TIME ELAPSED IN RED FOR EACH LANE		806
GRACE PERIOD		807
MINIMUM VIOLATION SCORE		808
MINIMUM VIOLATION SPEED		809
VEHICLE IN LANE HAS STOPPED		810
• • •		

FIG. 29

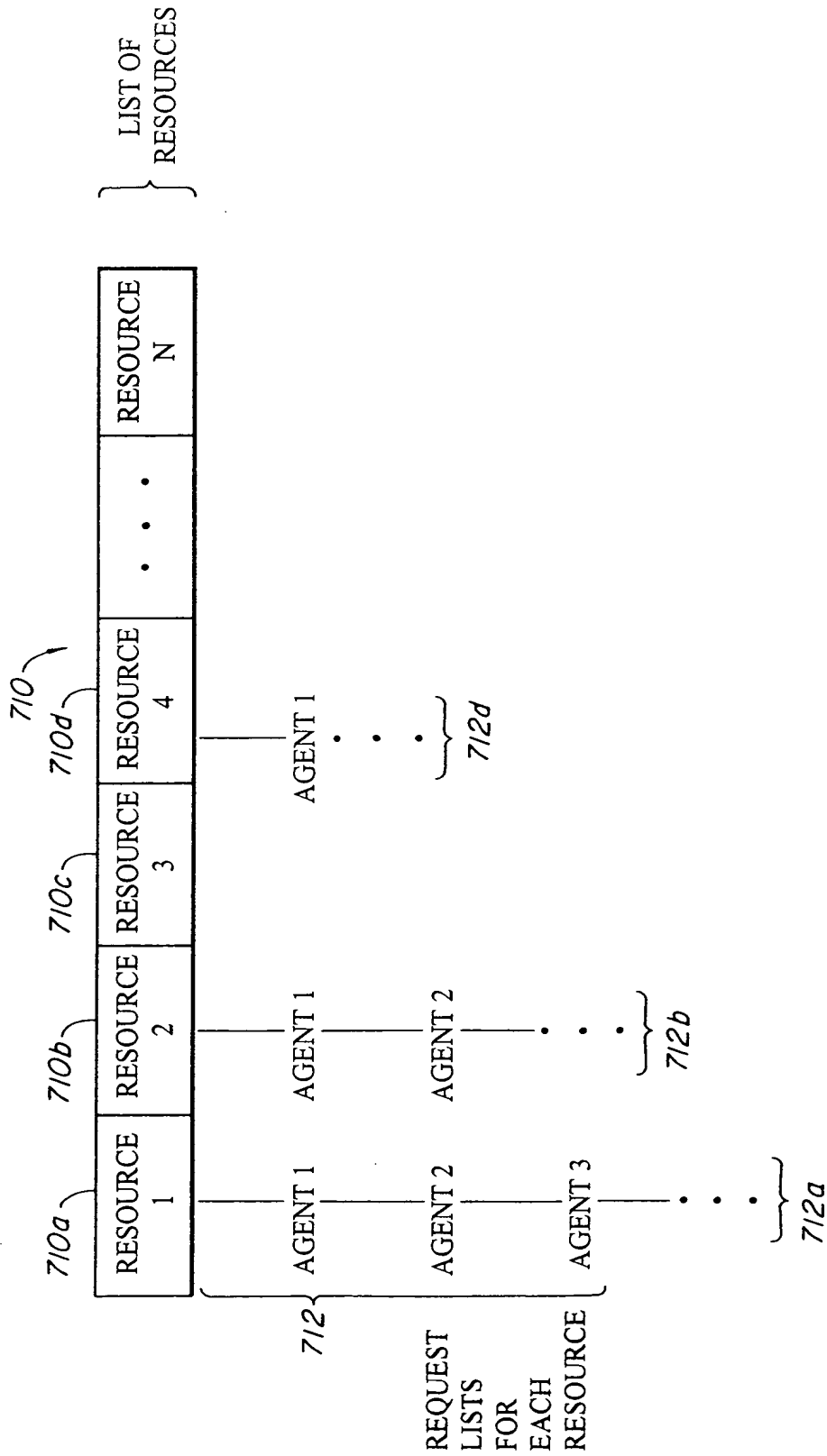


FIG. 30



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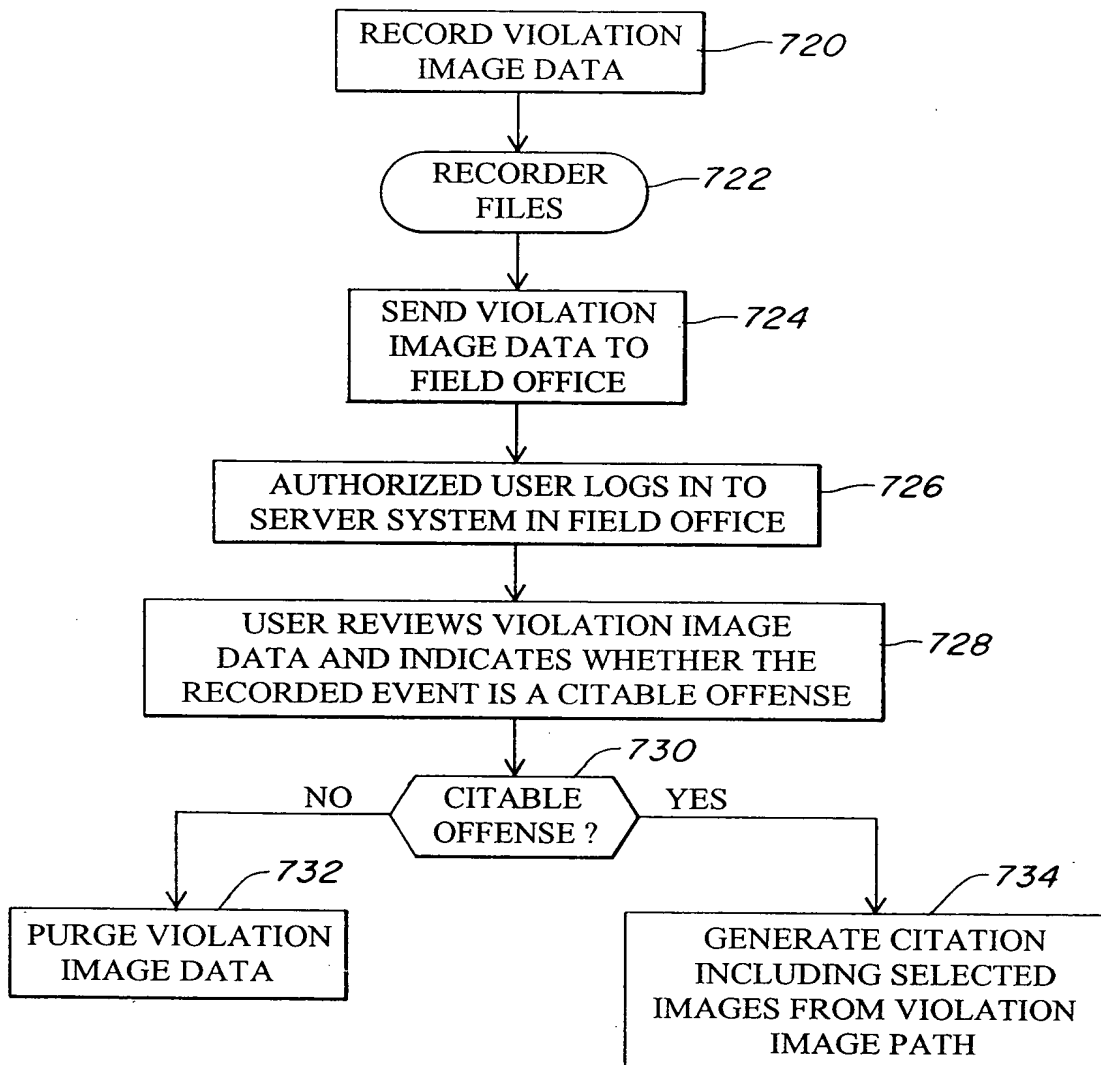
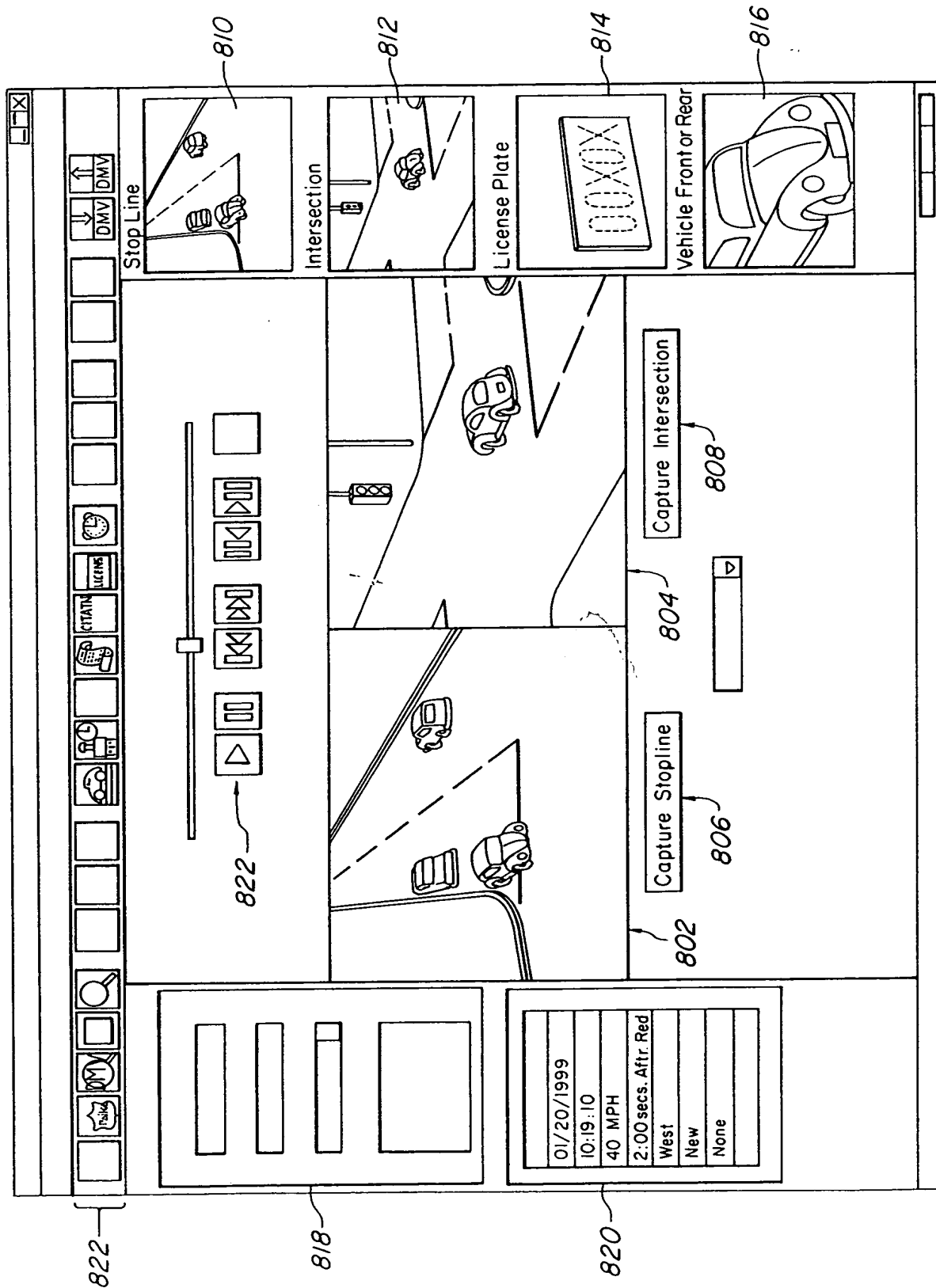


FIG. 31



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RED LIGHT TRAFFIC CAMERA NOTICE OF VIOLATION

Citation Number 902

REGISTERED OWNER INFORMATION:

VIOLATOR }
ADDRESS } 904

Citation Information 906

MAILING DATE: _____

PAYMENT DUE DATE: _____

AMOUNT DUE >> _____

VIDEO of this offense is available for review at the
Police Dept. by appointment only. _____
viewing the video from your citation, please call _____

Violation Images and Vehicle Registration Information 908

VEHICLE TAG

STATE TYPE

YEAR

MAKE

910

EXPIRATION DATE

912

LOCATION OF OFFENSE: 914

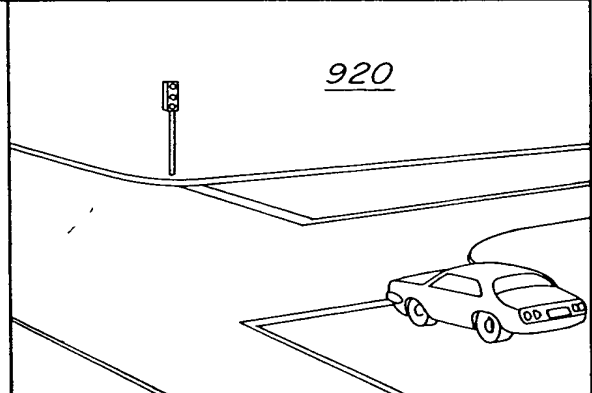
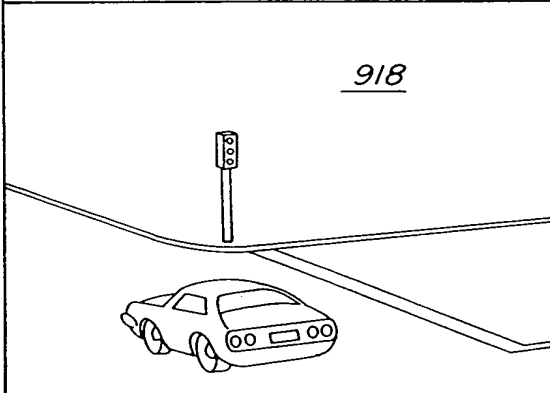
DATE/TIME OF OFFENSE: _____

ISSUING OFFICER: _____

VEHICLE CROSSED STOP LINE
SECONDS AFTER SIGNAL TURNED RED

VEHICLE SPEED _____ MPH

916



Please return this portion with your payment-Use the enclosed envelope

Citation Number 902

AMOUNT DUE >> _____

S

TOWN OR
POLICE DEPT. }
ADDRESS } 924

VIOLATOR }
ADDRESS } 922

900

FIG. 33

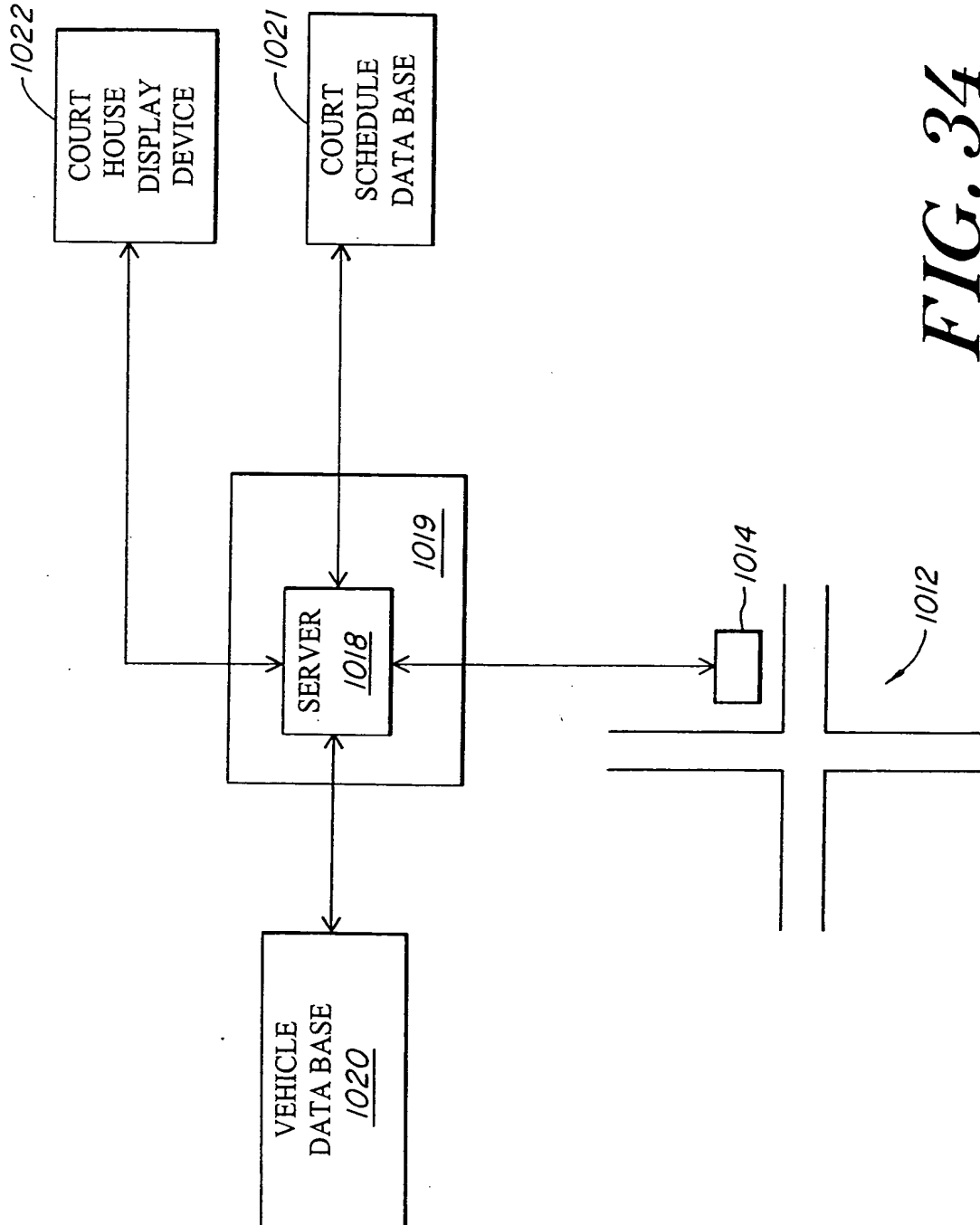


FIG. 34